

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 62900261

For: **SPECIALTY MINERALS, INC.**

Facility: **SPECIALTY MINERALS, INC.**

Issued Pursuant to MDAQMD Regulation XII
Effective Date: March 12, 2001

This Federal Operating Permit Expires
on: March 12, 2006

Issued By: Charles L. Fryxell
Air Pollution Control Officer

14306 PARK AVENUE, VICTORVILLE, CALIFORNIA 92392
PHONE (760) 245-1661
FAX (760) 245-2022

TABLE OF CONTENTS

	<u>Page</u>
Part I Introductory Information	I-3 through I-36
Part II Applicable Requirements and Emissions Limitations	II-37 through II-56
Part III Monitoring, Record keeping, Reporting, and Testing Requirements	III-57 through III-76
Part IV Standard Federal Operating Permit Conditions	IV-77 through IV-79
Part V Operational Flexibility Provisions	V-80
Part VI Conventions, Abbreviations, Definitions.	VI-81 through VI-87

PART I INTRODUCTORY INFORMATION

A. Facility Identifying Information:

<u>Owner/Company Name:</u>	Specialty Minerals, Inc.
<u>Owner Mailing Address:</u>	Specialty Minerals, Inc. P. O. Box 558 Lucerne Valley, California 92356
<u>Facility Name:</u>	SPECIALTY MINERALS, INC.
<u>Facility Location:</u>	At the end of Meridian Road, Lucerne Valley, California 92356
<u>Mailing Address:</u>	P. O. Box 558 Lucerne Valley, California 92356
<u>MDAQMD Federal Operating Permit Number:</u>	62900262
<u>MDAQMD Company Number:</u>	0045
<u>MDAQMD Facility Number:</u>	00262
<u>Responsible Official:</u>	James R. Mulkey
<u>Title:</u>	Regional Operations Manager
<u>Phone Number:</u>	760-248-7334
<u>Facility "Site" Contacts:</u>	James R. Mulkey
<u>Phone Number:</u>	760-248-7334
<u>Facility "Off Site" Contacts:</u>	None Provided
<u>Phone Number:</u>	
<u>Nature of Business:</u>	Limestone Quarry and Crushing Operation
<u>SIC Code:</u>	1422 – Crushed and Broken Limestone
<u>Facility Location:</u>	UTM (Km) 3831 N / 491 E

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 62900262) is for Specialty Minerals, Inc. (SPECIALTY MINERALS, INC., located at the end of Meridian Road, in Lucerne Valley, California). SPECIALTY MINERALS, INC. is a Limestone Quarrying and Crushing facility. The basic product of the facility is a range of particle sizes of limestone. This is accomplished through mining and transportation of the limestone to crushers, screening equipment, grinders and packaging and shipping of the final products. Additional emitting equipment at the facility includes a diesel fuel fired dryer, storage silos for various intermediate and/or final products, a pneumatic transfer system, packaging equipment, an emergency electricity generator, a gasoline storage tank, a diesel storage tank, a propane storage tank, a waste oil tank and vehicles and transportation equipment. Space heating, steam cleaning, comfort air-conditioning equipment, natural draft ventilators, vacuum cleaning equipment and laboratory equipment venting through hoods are also present.

C. EQUIPMENT DESCRIPTION:

1. One Primary Rock Crusher and Associated Screening, Storage and Conveying Equipment
 - a. MDAQMD Permit Number B000611, which consists of a Primary Impactor, hopper feeder, 10 screens, 9 conveyor belts, an elevator, emergency stockpile, 2 weightometers, 1 screw conveyor and 3 storage bins. Various pick-up points in this system are vented to dust control units (baghouses) The baghouses have the following MDAQMD permit numbers: C000627, C002143, C002328, C002397 and C004434. These particulate matter devices are described below.
2. Five Dust Controls for the Primary Rock Crushing Circuit described in 1. above
 - a. MDAQMD Permit Number C000627, make and model unknown. This baghouse contains 180 bags of polyester felt weighing 16 ounces per square yard. Each bag is 6.25 inches in diameter and 14 feet long giving a total filter area of approximately 4122 square feet. The flow rate through the bags is 12,000 ACFM, which yields an air:cloth ratio of 2.9 : 1. The baghouse is pulse air cleaned and is equipped with a magnehelic pressure differential gauge.
 - b. MDAQMD Permit Number C002143, consists of a Cherokee Dust Suppression System with the following equipment: one 320 gallon water reservoir, 1 low pressure pump and the piping and nozzles necessary to carry and apply the aqueous surfactant to conveyor

- CBE 12. This belt carries product to the stockpiles. Specialty Minerals refers to this as DCL 81.
- c. MDAQMD Permit Number C002328, which is a DCE Vokes model DLM-V8/7 baghouse. This unit contains 12 polyester bags whose air:cloth ratio is 8.1 to 1. The total cloth area of the bag is 86 square feet. Approximately 700 ACFM are exhausted through the bags at ambient temperatures and pressures with an estimated discharge of particulate to the atmosphere of 0.008 grains per cubic foot. This unit controls the discharge from belt CBE 09.
 - d. MDAQMD Permit Number C002397, which is a DCE Syntamatic. Specialty Minerals refers to this as DCL 71. This unit has 5 cartridges that are 2 feet long with 15 square feet of surface filtering area. The total area of this unit is 75 square feet with an air:cloth ratio of 12 to 1. This unit discharges 900 ACFM at ambient conditions with an estimated collection efficiency for particulate matter of 98%. This unit picks up dust emissions from screens/conveyor belt CBE 10 and Fines Storage Tank (MDAQMD permit T002317).
 - e. MDAQMD Permit Number C004434, which is a Mikro-Pulsaire, model 64S-8-20, style C. Specialty Minerals refers to this unit as DCL 70. This unit has a total filter area of 600 square feet at an air to cloth ratio of 6 to 1. The flow through the bags is 3800 ACFM at 70°F. The pick up points for this unit are CBE 08, CBE 04, CBE 11 and SCT 06.
3. One (1) Fines Crusher and Reclaim System is described as follows:
- a. MDAQMD Permit Number B000655, is a crusher of unknown make and model which has as ancillary equipment 12CR Fines Reclaim Hopper; 35KS Feeder from Fines Tank (001SW); 12CR Feeder from Tank 202CR; and 13CR Feeder from Tank 203CR.
4. One (1) Stone Stockpile Loading Belt System, which is described as follows:
- a. MDAQMD Permit Number B000664, and has the following equipment: CBE13A Belt Conveyor discharging to CBE73 and B pile; CBE13B Belt Conveyor discharging to CBE83 and C pile and CBE13C Belt Conveyor discharging to Stockpile D. Note, these conveyors are covered and fugitive emissions are sprayed with dust suppressants from C002143.
5. One (1) Stone Withdrawl System Belt System, which is described as follows:
- a. MDAQMD Permit Number B002300, is comprised of all the following: 015SW Magnet conveyor; 401SW Weightometer (CBE21); 7 seven (7) pile reclaim feeders (021KS,

032SWA, 032SWB, 033SWA, 033SWB, 034SWA, and 034SWB); four (4) reclaim conveyor belt (CBE14A, CBE14B, CBE14C and CBE14D); Belt from fines tank to CBE15; Belt from CBE 43 to CBE15 and the Dryer Impactor feed belt. Note, this system has the following controls: MDAQMD permit C000628 (DCL 02); MDAQMD permit C000659 (DCL 28) and which also control under MDAQMD B000663: and MDAQMD permit C004474 (DCL 80).

- b. MDAQMD Permit Number C000628, is a Baghouse described as a Mikropul, Pulse Jet model 3658 which serves the Stone Withdrawl System described above in a. This unit has the following design parameters: air:cloth ratio of 10:1; total cloth area of 340 square feet and a flow rate through the bags of 3400 ACFM. The bags are of polyethylene with an estimated exhaust grain loading of 0.008 grains per cubic foot. This unit has as pickup points the Drop to Impactor Feed Belt CBE 21 MDAQMD permit number B002300 and Drop to Tyrock Feed Belt CBE24, MDAQMD permit number B000663.
- c. MDAQMD Permit Number C004475, is an Baghouse described as a MikroPulsaire, model 64S-8-20, Style C and serves the Stone Withdrawl System described in a. above. This unit has the following design parameters: air:cloth ratio of 6:1, 3800 ACFM; total filter area of 603 square feet.
- d. MDAQMD Permit Number T002316, are Storage Tanks (Silos). Each tank is 13,300 cubic feet (99,500 gallons equivalent). There are two tanks labeled 202CR and 203CR.
- e. MDAQMD Permit Number T002317, is a Storage Tank (Silo). The tank is 10,800 cubic feet (80,800 gallons equivalent). The tank is labeled 001SW.

6. One (1) Dryer Sizer System, which consists of the following equipment:

- a. MDAQMD Permit Number B000663, that has the following components:

<u>I. D.</u>	<u>Description</u>
IMP02	Impactor
CBE23	Recycle Belt Conveyor
CBE24	Feed Belt Conveyor To Tyrock Screen STC07
CSC01	Screw Conveyor Dust Return from DCL02 to CBE24
CSC02	Drier Feed Screw Conveyor from Tyrock
CSC03	Reclaim Screw Conveyor from Hummers to Impactor
CSC06	Screw Conveyor Dust Return from DCL05 to CCS02
CTC07	Drier Tyrock Screen 1 inch and ¼ inch
191DS	De-dusting 12 foot Classifier
CBE27	Feed Belt Conveyor To 12 inch Classifier
CSC04	Screw Conveyor from CSCL21 to ELV18

CSC20	Return Dust Screw Conveyor from DCL28 Hopper to CSC21
CSC51	Screw Conveyor Dust Return from DCL03 to CSC52
CSC52	Screw Conveyor Dust Return from CSC51 to ELV18/23
ELV18	Elevator Bucket Discharge from Drier
SCH07	Hummer No. 7 Top South Screen 16 M, 30 M
CSC42	Classifier Discharge Screw Conveyor
SCC01	Sweco No. 1 Screen 6M, 9 M
SCC02	Sweco No. 2 Screen 6M, 9 M
SCH06	Hummer No. 6 Top North Screen 16 M, 30 M
SCH08	Hummer No. 8 Bottom North Screen 40 M, 50 M
SCH09	Hummer No. 9 Bottom South Screen 40 M, 50 M
BLR65	Blender Blower
ROT65	Fines Bin Rotary Lock
CSC25	12 inch Classifier to Fines Bin Screw Conveyor
CSC26	12 inch Classifier to Product Belts Screw Conveyor
CSC27	Overflow Bin to ELV18 Screw Conveyor
ELV32	Elevator Drier Discharge to ELV28 intake
CSC43	Classifier Coarse to South Hummer SCH07 Screw Conveyor
CSC49	Classifier Coarse to Scalping System ELV29 Screw Conveyor
CSC05	14 inch Classifier to Fines Bin Screw Conveyor
CSC60	14 inch Classifier to Products Belts Screw Conveyor
CLF02	14 inch Classifier
ELV31	14 inch Classifier to Midwestern Screens SMW03/04 Elevator
ELV29	Midwestern Multivibe SMW01 Feed Elevator
SMW01	Midwestern Multivibe Scalper
SMW03	North Midwestern Screen
SMW04	South Midwestern Screen
SCH10	South Hummer
SCH11	North Hummer
CBE18	Diverter 25 to Gate DSG05 Conveyor Belt

Note the following controls serve this system: MDAQMD permit numbers C00632 (DCL03), C000656 (DCL04), C000659 (DCL28), C000687 (DCL05, C007776 (DCL29) and C002339 (DCL60). For additional information, please refer to drawings PFD 205 and 206.

- b. MDAQMD Permit Number C000659, which is a baghouse described as DCL28. This unit has the following design parameters: Mikropul, Pulse Jet, Model 320-8 with an air:cloth of 6:1; total cloth area of 3,016 square feet and a flow rate of 18,000 ACFM. There are 320 bags of polyethylene whose estimated exhaust concentration of particulate matter is 0.008 grains/cubic foot. This unit picks up fugitive emissions from the drop points of Central Drop to CBE23; Hummer to Sweco System Oversize; Elevator ELV18 Boot Receivals and Belt CBE21 to Discharge.
- c. MDAQMD Permit Number C000656, which is a baghouse described as DCL04. This unit has the following design parameters: Mikropul, Pulse Jet, Model 144-10 with an air:cloth of 4.25:1; total cloth area of 1,696 square feet and a flow rate of 7,200 ACFM. There are 144 bags of polyethylene whose estimated exhaust concentration of particulate matter is 0.008 grains/cubic foot. This unit picks up fugitive emissions from the 12 ft Classifier 191DS; Discharge Hummers SCH06 & 07; Discharge Elevator ELV18; Boot Top Elevator 18; Secondary Twin for top 200C Bin (MDAQMD permit T000686) and Secondary Top 400 ton 011DS Bin (MDAQMD permit T002318).
- d. MDAQMD Permit Number C000687, which is a baghouse described as DCL05. This unit has the following design parameters: Mikropul, Pulse Jet, Model 48F8 with an air:cloth of 7.7:1; total cloth area of 452 square feet and a flow rate of 3,500 ACFM. There are 48 bags of polyethylene whose estimated exhaust concentration of particulate matter is 0.008 grains/cubic foot. This unit picks up fugitive emissions from the Drop to Belt CBE23 from both Impactors 002DS & 004DS.
- e. MDAQMD Permit Number C007776, which is a baghouse described as DCL29. This unit has the following design parameters: Mikropul, Pulse Jet, Model 400S-20, TR "C" with an air:cloth of 4.7:1; total cloth area of 3980 square feet and a flow rate of 18,840 ACFM. There are 400 bags of polyethylene whose estimated exhaust concentration of particulate matter is 0.008 grains/cubic foot. This unit picks up fugitive emissions from CLF02; LEV29 head and tail; ELV30 head and tail; ELV31 head and tail; SCM01; SCM03, SCM04, SCH10 and SCH11. Please see drawing s PFD 205 and 208 for additional information.
- f. MDAQQMD Permit Number T000686, which is a Hot Dust Storage Bin, 010DS 200C Bin whose volume is 8,246 cubic ft (equivalent to 61,680 gallons) and has twin compartments and dual spouts. Note this unit is controlled by MDAQMD permit number C000656.
- g. MDAQQMD Permit Number T002318, which is a Hot Dust Storage Bin, 011DS Bin whose volume is 14,240 cubic ft (equivalent to 106,500 gallons) and holds approximately

400 tons of product. Note this unit is controlled by MDAQMD permit number C000656.

7. One (1) Cage Mill Circuit, which consists of the following:
 - a. MDAQMD Permit Number B002301, and has the following equipment: CAS40 Elevator 18 bypass screw conveyor; ELV28 Cage Mill discharge bucket elevator; CGM01 Cage Mill, and CSC41 Cage Mill feed screw conveyor. Note this unit is controlled by the following described baghouse, in b. below.
 - b. MDAQMD Permit Number C002329, which is a baghouse described as DCL60. This unit has the following design parameters: Mikropul, Pulse Jet, Model 164S-8-20 with an air:cloth of 6:1; total cloth area of 603 square feet and a flow rate of 3,600 ACFM. The bags are polyethylene whose estimated exhaust concentration of particulate matter is 0.008 grains/cubic foot. (This unit serves as the Primary Dust Collector for the Cage Mill Circuit and as secondary Dust Collector for the Dry Sizer System Mill Feed Bins and Feed System to the Raymond Mills 3, 4 & 5.) This unit picks up fugitive emissions from the Boot of Elevator 28 and Discharge of belt CBE27.
8. One (1) Oil Fired Drier, which serves the Drier Sizer System and is described as follows:
 - a. MDAQMD Permit Number B002366, and has the following equipment: 012DS Cyclone, Drier/Whizzer Dust Capture; 180DS Drier, fired with No. 2 Fuel Oil; 181DS Drier Bed Level Valve; 182DS Drier Fluidizing Fan; 183DS Combustion Air Blower; 184DS Drier Burner (rated at 11.8 millions Btu/h); 801DS Drier Oil Feed System and 185DS Drier Whizzer. This unit is controlled by MDAQMD permit number C000632 (DCL03).
 - b. MDAQMD Permit Number C000632, which is a baghouse described as DCL03. This unit has the following design parameters: AAF, Pulse Jet, Model B-4 with an air:cloth of 1.5:1; total cloth area of 6,406 square feet and a flow rate of 9,800 ACFM. The bags are polyethylene whose estimated exhaust concentration of particulate matter is 0.008 grains/cubic foot. This unit picks up fugitive emissions from the Drier 180DS via Cyclone .
9. One (1) Reclaim System to Feed Bins, which consists of the following:
 - a. MDAQMD Permit Number B002302, which has the following equipment: 006TT Rotary Feeder from Reclaim Hopper to ELV01; 501SW CBE22 Turnhead Gates; CSC32 Reclaim Screw Conveyor to ELV01; ELV01 reclaim Bucket Elevator and CSC33 Reclaim Screw Conveyor from LEV01 to ELV15/SW bin. This unit is controlled by

MDAQMD permit number C000714 under B000616.

10. One (1) Feed System to Blender Storage consisting of the following:
- a. MDAQMD Permit Number B002303, which contains the following equipment: 022SW Magnet Conveyor; 141 BS Belt Scale on Belt CBE25; 401KF CBE26 Miltronics Scale; 402SW CBE22 Autoweigh Scale; CBE20 Hummer Mills Conveyor Belt; CBE22 Hummer Mills, Gates 10 & 12 Feed Belt Conveyor; CBE25 40/50 Mesh Belt Conveyor; CBE26 Belt Conveyor to Glass Sand Storage; CBE66 Belt Conveyor Feed for E1 Bin; ; CBE37 Belt Conveyor Feed for W1 Bin; ; CBE67 Belt Conveyor Feed for E2 Bin; ; CBE42 Belt Conveyor from Tripper PKR26; and ; CBE58 Belt Conveyor to PKR18. Controls for this unit include MDAQMD permit numbers C003713 (DCL92), C002338 (DCL22), C002951 (DCL77), C007770 (DCL94), C003714 (DCL91, under MDAQMD permit B000615), and C000695 (DCL30).
 - b. MDAQMD Permit Number C000695, which is a baghouse described as DCL30. This unit has the following design parameters: Mikropul, Pulse Jet, Model 1F1-24 with an air:cloth of 2.76:1; total cloth area of 905 square feet and a flow rate of 2500 ACFM. The bags are polyethylene whose estimated exhaust concentration of particulate matter is 0.008 grains/cubic foot. This unit picks up fugitive emissions from Discharge of Belt CBE42.
 - c. MDAQMD Permit Number C002338, which is a baghouse described as DCL22. This unit has the following design parameters: DCE Vokes, Pulse Jet, Model DLM-V8/& with an air:cloth of 8.14:1; total cloth area of 86 square feet and a flow rate of 700 ACFM. The bags are 12 ounce-polyethylene whose estimated exhaust concentration of particulate matter is 0.008 grains/cubic foot. This unit picks up fugitive emissions from the Final Discharge Belt CBE22.
 - d. MDAQMD Permit Number C002951, which is a baghouse described as DCL77. This unit has the following design parameters: DCE Vokes, Pulse Jet, Model S125F with an air:cloth of 3.73:1; total cloth area of 268 square feet and a flow rate of 1000 ACFM. The bags are High Grade Porous Composition. This unit picks up fugitive emissions from the Discharge Belt CBE20
 - e. MDAQMD Permit Number C003713, which is a baghouse described as DCL92. This unit has the following design parameters: Mikro-Pulsaire, Model 64S-8-20, Style C, with an air:cloth of 6.0:1; total cloth area of 603 square feet and a flow rate of 3800 ACFM This unit picks up fugitive emissions from CBE66, tail loading/discharge to silo E1; CBE67, tail loading/discharge to silo E2; CBE35; CBE 56 tail loading and CBE26 tripper. Note: this baghouse serves the Blender Area System under MDAQMD permits B000615 (see

below) and B002303 (see above).

- f. MDAQMD Permit Number C007770, which is a baghouse described as DCL94. This unit has the following design parameters: Mikro-Pulsaire, Model 196S8-20TR, Style C, with an air:cloth of 5.6:1; total cloth area of 1950 square feet and a flow rate of 11000 ACFM. This unit picks up fugitive emissions from CBE19, head; CBE20, head/trip discharge; CBE25 head; CBE 26 head and trip discharge; CBE35; CBE34 head; CBE38 tail; CBE56 tail; CBE58 tail and CBE67 head and tail. Note: this baghouse serves the Feed System to Blender Storage MDAQMD permits B000615 (see below) and B002303 (see above).
- 11. One (1) Blender Make-up System consisting of the following:
 - a. MDAQMD Permit Number B000615, which contains the following equipment: CSC65 Feeder 50M, Screw Silo W2; CSC64 Feeder 69G, Screw Silo W3; CSC68 Feeder 40 M, Screw Silo E1; 151BS to ELV21; 152 BS; 9B; BLR01 Truck Reclaim Blower 001ABS Silo to 200C Silo; CBE28 Belt Conveyor to Reclaim from 3 Silos; CSC06 Belt Conveyor, from 200C Silo to weighbelt; CSC35 Screw Conveyor from E650T Dust Silo to weighbelt; CBE36 Weigh Belt CBE36 to CSC66; CBE34 Weigh Belt CBE34 to CSC64; CSC70 Transfer Screw to ELV21; CSC66 Blending Screw, West Side; CSC64 Blending Screw, East Side; CSC67 Feeder Screw, East; CBE35 Belt Conveyor, East Side. Controls for this unit include MDAQMD permit numbers C003713 (DCL92) and C003714 (DCL91).
 - b. MDAQMD Permit Number C004830, which is a baghouse described as DCL93. This unit has the following design parameters: Mikro-Pulsaire, Model 64S-8-20, Style C, with an air:cloth of 6.0:1; total cloth area of 603 square feet and a flow rate of 3800 ACFM. This unit picks up fugitive emissions from CBE66, tail loading/discharge to silo E1; CBE67, tail loading/discharge to silo E2; CBE35; CBE 56 tail loading and CBE26 tripper. Note: this baghouse serves the Blender Area System under MDAQMD permits B000615 and B002303 (see both above).
 - c. MDAQMD Permit Number C003714, which is a baghouse described as DCL91. This unit has the following design parameters: Mikro-Pulsaire, Model 64S-8-20, Style C, with an air:cloth of 6.0:1; total cloth area of 603 square feet and a flow rate of 3800 ACFM. This unit picks up fugitive emissions from CBE37, tail loading/discharge to silo W1; CBE42, tail loading; CBE28; CBE 56 tail loading and CBE25 tripper. Note: this baghouse serves the Blender Area System under MDAQMD permits B000615 and B002303 (see both above).
- 12. One (1) 69 Grit Truck Load Out, consisting of the following:

- a. MDAQMD Permit Number B000607, which consists of the following: 502KF Miltronics Belt Scale, CBE38; CBE38 Glass/Sand Loadout Belt; and CBE Belt Conveyor from 650 ton 69 Grit Bin. This unit has as particulate control MDAQMD Permit Number C002343 (DCL 47).
 - b. MDAQMD Permit Number C002343, which is a baghouse described as DCL47. This unit has the following design parameters: Mikro-Pulsaire, Model 25S-8, with an air:cloth of 6.8:1; total cloth area of 236 square feet and a flow rate of 2500 ACFM. This unit picks up fugitive emissions from CBE38 and the discharge is estimated to be 0.008 grains per cubic foot of exhaust. Note that this unit controls emissions from MDAQMD Permit Number B000607 (see above).
13. One (1) Bulk Dust Truck Loadout from 115 ton silo, which consists of the following:
- a. MDAQMD Permit Number B000683, which is: 198BS Airslide from 115 ton silos to Truck Loadout; and 008BS Blower for Airslide (198BS). Note that this unit has no controls.
 - b. MDAQMD Permit Number B000694 (South Packer Mobile Station) is PKR18 Marble Mix Blender Packer and has as particulate control MDAQMD Permit Number C000684 (DCL 07).
 - c. MDAQMD Permit Number B000614, Grits Packager, which consists of PKR26 MW80 Blender Packer; and PKR29 9 Grit/Marble Mix Packer. Note that this unit, as well as MDAQMD Permit Number B000694 (above) has as particulate controls, MDAQMD Permit Number C000691 (DCL 30).
 - d. MDAQMD C000695, which is a baghouse described as DCL30. This unit has the following design parameters: Mikro-Pulsaire, Model 1F1-24, with an air:cloth of 2.76:1; total cloth area of 905 square feet and a flow rate of 2500 ACFM. This unit picks up fugitive emissions from CBE42, and the emissions of particulate are estimate to be 0.008 grains per cubic foot. Note: this baghouse serves the Blender Storage under MDAQMD permits B002303 and B000614 (see both above).
14. One (1) Glass and Feed System, which consists of the following equipment:
- a. MDAQMD Permit Number B000667, and contains: CBE51 Glass and Sand Loadout Belt from 1,000 ton Bins; CBE56 Belt from CBE26 to CBE57; and CBE57 Belt from CBE56 to Glass Sand Storage Silos. Note this unit has as controls for particulate MDAQMD

Permit Numbers C002340 (DCL44), C003714 (DCL91 under MDAQMD Permit Number B000615) and C002341 (DCL64, under MDAQMD Permit Number B000615).

- b. MDAQMD Permit Number C002340, which is a baghouse described as DCL44. This unit has the following design parameters: Mikro-Pulsaire, Model unknown with an air:cloth of 4.24:1; total cloth area of 236 square feet and a flow rate of 1600 ACFM. This unit picks up fugitive emissions from CBE56, BE 52 & 53, DE 52 & 53 and the drop from CBE 57. The estimated emissions from this baghouse exhaust are 0.008 grains per cubic foot.
15. One (1) Number 1 Glass Sand Truck and Railroad Loadout, which consists of the following:
- a. MDAQMD Permit Number B000662, CBE50 100 ton Silo Loadout Belt; 021FG Feeder to CBE52; 062FG Miltronics Scale Weightometer for CBE 52; and CBE52 Glass Sand Belt. Note that this unit has as control for particulate, MDAQMD Permit Number C003432 (DCL79).
 - b. MDAQMD Permit Number C003432, which is a baghouse described as DCL79. This unit has the following design parameters: Mikro-Pulsaire, Model 81S-8-20, Style C, with an air:cloth of 8.0:1; total cloth area of 603 square feet and a flow rate of 6500 ACFM. This unit picks up fugitive emissions from Number 1 Glass Sand Truck/Railroad Loadout and the Glass Sand Feed System under MDAQMD permits B000662 and B000667, respectively (see both above).
16. One (1) Blender Feed System to Silos, which consists of the following equipment:
- a. MDAQMD Permit Number B002304, which has: 181BS Airslide to a 65 Ton Silo; 191BS Blender Airslide Blower; ELV19 Bucket Elevator from CBE28 to ELV20; and ELV20 Bucket Elevator to Blender Loadout Silos. Note that this unit has as control for particulate matter MDAQMD Permit Number C000684 (DCL07).
 - b. MDAQMD Permit Number T003711, which is described as a 175 ton Storage Silo for the Blender Truck Loadout. Included in the equipment are truck scales, loading spout (SP175); a sampler; butterfly Valve (BV175) and a knife gate valve (SLG175). Note that this unit has as control for particulate matter MDAQMD Permit Number C007777 (DCL18), see below.
 - c. MDAQMD Permit Number B000688, which is described as the Blender Triple Truck Loadout and has the following components: 151BS Airslide Blower; 183BS Airslide; 5075 Truck Loadout Butterfly Valve from NE/NW Silos; 4030 Truck Loadout Butterfly Valve from SE Silo; 200C Truck Loadout Butterfly Valve from SW Silo. Note that this

unit has as control for particulate matter MDAQMD Permit Number C000684 (DCL07).

- d. MDAQMD Permit Number C000684, which is a baghouse described as DCL07. This collector serves as primary collector for the Blender Make-up System 175 ton Storage Bin (District Permit T003711) and as secondary collector for Blender Triple Truck Loadout (District Permit B000688), South Packer Mobile Station (District Permit B000694, and Grits Packer 26 Bin (District Permit B000614). This unit has the following design parameters: Mikro-Pulsaire, Model 1F2, with an air:cloth of 5.8:1; total cloth area of 1357 square feet and a flow rate of 7900 ACFM This unit has 144 bags of polyethylene that emit approximately 0.008 grains per cubic foot. The pickup points CBE58 (drawing PFD303 and District Permit B002304); 175 ton silo (District Permit T003711, G2); Pack Bin; CBE26 Head (drawing PFD 303 and District Permit B002304); ELV20 (drawing PFD 303 and District Permit B002304); 3 Truck Loadouts: 5075, 4030 and 200C (drawing PFD 303 and District Permit B000688); Feed Bin and Packer Number 18 (drawing PFD 301 and District Permit B000694); and Grits Packer 26 Bin (drawing PFD 301 and District Permit B000614). Please see all the permits directly above.
 - e. MDAQMD Permit Number C007777, which is a baghouse described as DCL18. This collector serves as primary collector for the Blender Storage Bins (District Permit T003711). This unit has the following design parameters: Mikro-Pulsaire, Model 49S-8-20"B", with an air:cloth of 6.0:1; total cloth area of 487 square feet and a flow rate of 2900 ACFM This unit has 49 bags of polyester that emit approximately 0.008 grains per cubic foot and picks up dust from the 175 ton Bin T003711, please see above. It is attached to the storage bin and vents the bin feed from ELV21, DSG86, RM5 and ELV20. Please see drawing Pfd 303 for additional information.
17. One (1) Blender Storage System of Silos, which consists of the following equipment:
- a. MDAQMD Permit Number T002320, whose I.D.s and controls are listed below:

<u>Silo I.D.</u>	<u>Capacity</u>		<u>Dust Collector</u>	
	<u>Tons</u>	<u>Gallons</u>	<u>DCL No.</u>	<u>Permit Number</u>
007BS	115	21,200	08	C002331
001GBS1630	650	110,150	91	C003714
001PBS1600	650	110,150	91	C003714
001BBS200M	650	110,150	61	C002332
001DBS50M	650	110,150		
001CBS69Grit		650 110,150	92	C003713
001BBS40M	650	110,150	09	C002334
004BS	75	12,466	09	C002334

001ABS200C 650 110,150 09 C002334

- b. MDAQMD Permit Number C002331, which is a baghouse described as DCL08. This collector serves as primary collector for the Blender Storage Bins (District Permit T002320). This unit has the following design parameters: Mikro-Pulsaire, Model Bin Vent, with an air:cloth of 3.3:1; total cloth area of 151 square feet and a flow rate of 500 ACFM This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from 115 ton Bin 007BS, please see above.
- c. MDAQMD Permit Number C002332, which is a baghouse described as DCL61. This collector serves as primary collector for the Blender Storage Bins (District Permit T002320). This unit has the following design parameters: Mikro-Pulsaire, Model 255-8 Bin Vent, with an air:cloth of 1.5:1; total cloth area of 236 square feet and a flow rate of 350 ACFM This unit has 25 bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from 650 ton Bin 001BS, please see above.
- d. MDAQMD Permit Number C002334, which is a baghouse, described as DCL09. This collector serves as primary collector for the Blender Storage Bins (District Permit T002320). This unit has the following design parameters: Mikro-Pulsaire, Model Bin Vent, with an air:cloth of 3.3:1; total cloth area of 151 square feet and a flow rate of 500 ACFM This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from 650 ton Bin 001ABS, please see above.

18. One (1) Blender Loadout Storage System of Silos, which consists of the following equipment:

- a. MDAQMD Permit Number T002322, whose I.D.s and controls are listed below:

<u>Silo I.D.</u>	<u>Capacity</u>	<u>Dust Collector</u>	
	<u>Tons</u>	<u>DCL No.</u>	<u>Permit Number</u>
011BS 5075NE	980	16	C002344
011BS 5075NW	980	63	C003257
011BS 4030	980	10	C000685
011BS200C	980	10	C000685

- b. MDAQMD Permit Number C003257 which is a baghouse described as DCL63. This collector serves as primary collector for the NW Truck Loadout Storage Bins (District Permit T002322). This unit has the following design parameters: Mikro-Pulsaire, Model 81-S-8-20C, with an air:cloth of 8:1; total cloth area of 763 square feet and a flow rate of 6500 ACFM This unit has bags of polyethylene. This baghouse also serves concurrently

equipment described in MDAQMD Permit Number B002304.

- c. MDAQMD Permit Number C000685 which is a baghouse described as DCL10. This collector serves as primary collector for the NW Truck Loadout Storage Bins (District Permit T002322). This unit has the following design parameters: Mikro-Pulsaire, Model 8B Bin Vent, with an air:cloth of 3.3:1; total cloth area of 151 square feet and a flow rate of 500 ACFM. This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from 65 ton Silo 200C, please see above.
 - d. MDAQMD Permit Number C002344 which is a baghouse described as DCL16. This collector serves as primary collector for the NW Truck Loadout Storage Bins (District Permit T002322). This unit has the following design parameters: Mikro-Pulsaire, Model 36-S-8, with an air:cloth of 3.5:1; total cloth area of 339 square feet and a flow rate of 1200 ACFM. This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from NE 65 ton Silo 5075, please see above.
19. One (1) Glass Sand Storage System of Silos, which consists of the following equipment:
- a. MDAQMD Permit Number T002321, which has the following components: 011KF 1000 ton West Silo, 25 feet in diameter, equivalent to 168,900 gallons; 012KF 1000 ton East Silo, 25 feet in diameter, equivalent to 168,900 gallons; 021KF 500 ton West Silo, 25 feet in diameter, equivalent to 84,450 gallons. Note that there are no primary controls for this unit.
20. One (1) Mill Screening Primary System, which consists of the following equipment:
- a. MDAQMD Permit Number B000680 that has the following components: CBE29 Belt Conveyor from NE/SE Bins to ELV02; 018TY 6 Grit Pack Bin; 017TY 1640 Pack Bin; 083HU Impactor No. 1 Mill G/P; ELV02 Bucket Elevator from CBE29 to No. 1 Tyrock; ELV03 Bucket Elevator from CBE31 to No. 1 Hummer; ELV05 Bucket Elevator from No. 1 Tyrock to No. 1 Hummer; ELV07 Bucket Elevator from Nos. 1 and 2 Raymond Mills to Nos. 1 and 2 Pebble Mills; SCH01 Hummer No. 1 Mill; STC01 Tyrock Screen No. 1 Mill. Note that this equipment is served by a baghouse (DCL12, District Permit C000678) and is described in the following section.
 - b. MDAQMD Permit Number C000678 which is a baghouse described as DCL12. This collector serves as Primary Collector for the Mill Screening Primary System (District Permit B000680) and as Secondary Collector for Mill Screening Secondary System (District Permit B002305), for Grit and 1640 Packers System (District Permit B002306), Raymond Mill No. 2 Packer System (District Permit B000642). This unit has the

following design parameters: Pangborn/SCI, Pulse Jet, Model 401, with an air:cloth of 12:1; total cloth area of 1211 square feet and a flow rate of 14500 ACFM This unit has 100 bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from the following points:

<u>No.</u>	<u>Pickup Point</u>	<u>Drawing for Reference</u>	<u>District Permit</u>
	No. 1 Hummer SCH01	PFD 401	B000680
	Discharge ELV07	PFD 401	B000680
	Discharge ELV04	PFD 401	B002305
	Boot ELV06	PFD 401	B002305
	Discharge ELV06	PFD 401	B002305
	1640 Packer	PFD 401	B002306
	PKR 19Bin 702RB	PFD 401	B000622

21. One (1) Secondary Mill Screening System, which consists of the following equipment:
 - a. MDAQMD Permit Number B002305 that has the following components: 082HU Impactor No. 2 Mill; ELV04 Bucket Elevator from Impactor No. 2 to Hummer No. 2; ELV06 Bucket Elevator from ELV02 to Hummer No. 2; SCH02 Hummer No. 2 Mill, 16M and 40M; SCT02 Tyrock Screen No. 2 Mill one-quarter inch and 8M and Rotary Discharge Valves from DCLs 11 and 12. Note that this equipment is served by a baghouses DCL12 and 11, which are District Permits C000678 and C000679 respectively. C000678 is described directly above and C000679 is described in the following section.
 - b. MDAQMD Permit Number C000679 which is a baghouse described as DCL11. This collector serves as Primary Collector for the Mill Screening Secondary System (District Permit B002305. This unit has the following design parameters: American Air Filters, Model 14-32-1320, with an air:cloth of 3.3:1; total cloth area of 1080 square feet and a flow rate of 2500 ACFM This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot (See Drawing PFD for more information).
22. One (1) Packers System for Grit and the 1640, which consists of the following equipment:
 - a. MDAQMD Permit Number B002306 that has the following components: PKR01 No. 6 Grit Packer at Impactor Mill; PKR05 1640 Packer off Hummer No. 1. Note that this equipment is served by a baghouses DCL12 and 11, which are District Permits C000678 and C000679 respectively. Both are described directly above.
23. One (1) Granules Plant Screening System, which consists of the following equipment:

- a. MDAQMD Permit Number B000616 that has the following components: CBE30 Belt Conveyor from NW/SW Bins to Cone Crusher; 061TY Cone Crusher; 081HU Idle Impactor Mill; 081TY Idle Impactor South Mill; 418TY Feeder, recycle from storage to belt CBE32; CBE31 Belt Conveyor from ELV15 to ELV02; CBE32 Belt Conveyor from No. 3 Railroad Storage Bin to Crusher 061TY; CSC23 Dust Return Screw Conveyor from dust collector (District Permit C000714, DCL38) to ELV15; ELV14 Bucket Elevator from Crusher 061TY to Tyrock No. 3 Screen; ELV15 Bucket Elevator from Tyrock Screen K3 to CBE40; and SCT03 Tyrock Screen No. 3. Note that this equipment is served by a baghouse DCL38, which is described in the next section below concerning Storage Bins-Mill Feed (District Permit T002319).

24. One (1) Mill Feed Storage System of Silos, which consists of the following equipment:

- a. MDAQMD Permit Number T002319, whose I.D.s and controls are listed below:

<u>Silo I.D.</u>	<u>Capacity</u>	<u>Dust Collector</u>	
	<u>Tons</u>	<u>DCL No.</u>	<u>Permit Number</u>
017TY SW	50	38	C000714
017TY NE	50	38	C000714
017TY NW	50	38	C000714
017TY SE	50	38	C000714

- b. MDAQMD Permit Number C000714 which is a baghouse described as DCL38. This collector serves as primary collector for the Granules Plant Screening System (District Permit B000616) and as a secondary collector for Roof Rock Storage Bins (District Permit T002323). See these described immediately above and below. This unit has the following design parameters: Mikro-Pulsaire, Model 402, with an air:cloth of 7.6:1; total cloth area of 1850 square feet and a flow rate of 14000 ACFM. This unit has bags of 221 polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from the following points: Idle Impactor South Mill 081TY; Boot ELV15; Discharge ELV15; Boot ELV14; Discharge ELV14; ELV14 Feed Drop to Tyrock 03 Screen SCT03; Loading pipes from Railroad Silos 1, 2, 3 and 4 (see District Permit T002323 and drawing PFD 402); CBE22 (see drawing PFD 301); CBE40 (see drawing PFD 404); and Product Turnhead, CBE204 and Bucket Elevator ELV01 (see drawings PFD 204 and 402).

25. One (1) Roof Rock Storage System of Silos, which consists of the following equipment:

- a. MDAQMD Permit Number T002323, whose I.D.s and controls are listed below:

<u>Capacity</u>	<u>Dust Collector</u>
-----------------	-----------------------

<u>Silo I.D.</u>	<u>Tons</u>	<u>DCL No.</u>	<u>Permit Number</u>
181TY-1	8.0	38	C000714
181TY-2	8.0	38	C000714
181TY-3	8.0	38	C000714
181TY-4	8.0	38	C000714

Note: For C000714 see the permit direct above.

26. One (1) Truck-Railroad Loadout System for Granules Plant (Roof Rock), which consists of:

- a. MDAQMD Permit Number B000617, which has the following components: 166HU Feeder from Storage Bin 181TY to CBE32; and CBE33 Roof Rock Belt Conveyor to Truck Loadouts 1, 2 and 3. Note: This unit is controlled by water sprays, which are not given specific permits by the District.

27. One (1) Raymond Mill Number 1 System, which consists of the following:

- a. MDAQMD Permit Number B000675, which has the following components:

<u>I.D.</u>	<u>Description</u>
001RA	Number 1 Raymond Mill Feed Bin
101RA	Number 1 Raymond Mill and Drive
201RA	Number 1 Raymond Mill Feeder
301RA	Whizzer Number 1
401RA	Number 1 Raymond Mill Main Fan
501RA	Number 1 Raymond Mill Cyclone
VLR01	VLR Diluent Mixer

Note: this unit is controlled by DCL25, District Permit C000638 directly below.

- b. MDAQMD Permit Number C000638 which is a baghouse described as DCL25. This collector serves as primary collector for Raymond Mills Number 1 (District Permit B000674). See the described immediately above. This unit has the following design parameters: Mikro-Pulsaire, Model 72-SP-8-20 with an air:cloth of 5.9:1; total cloth area of 339 square feet and a flow rate of 2000 ACFM This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from the following points: Discharge line from Cyclone 501RA to fan 401RA. See drawing PFD 403 for more detailed information.

28. One (1) Raymond Mill Number 2 System, which consists of the following:

- a. MDAQMD Permit Number B000674, which has the following components:

<u>I.D.</u>	<u>Description</u>
002RB	Number 2 Raymond Mill Feed Bin
102RB	Number 2 Raymond Mill and Drive
202RB	Number 2 Raymond Mill Feeder
302RB	Number 2 Whizzer
402RB	Number 2 Raymond Mill Main Fan
502RB	Number 2 Raymond Mill Cyclone Rotary Feeder from Feed Bin

Note: this unit is controlled by DCL26, District Permit C004600 directly below.

- b. MDAQMD Permit Number C004600 which is a baghouse described as DCL26. This collector serves as primary collector for Raymond Mill Number 2 (District Permit B000674). See the described immediately above. This unit has the following design parameters: Mikro-Pulsaire, Model 64-S-8 with an air:cloth of 6.0:1; total cloth area of 603 square feet and a flow rate of 3800 ACFM. This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from the following points: Discharge line from Cyclone 502RB and Blower 420RB. See drawing PFD 403 for more detailed information.

29. One (1) Packer System Raymond Mill Number 1, which consists of the following:

- a. MDAQMD Permit Number B000621 with the following components: 701RA Pack Bin from 501RA and PKR28 Packer Number 1 Raymond Mill. This unit is controlled by a baghouse (DCL45, District Permit Number C001890, which is a primary control for Pebble Mill Number 1, District Permit Number B000669, please see below).

30. One (1) Packer System Raymond Mill Number 2, which consists of the following:

- a. MDAQMD Permit Number B000622 with the following components: 702RB Pack Bin from 502RB and PKR19 Packer Number 2 Raymond Mill. This unit is controlled by a baghouse (DCL12, District Permit Number C000678, which is a primary control for Mill Screening Primary System, District Permit Number B000680, please see above).

31. One (1) Pumping Hoppers System for Raymond Mills Numbers 1 and 2, which consists of the following:

- a. MDAQMD Permit Number B002308 with the following components: BLR02 Pumping blowers for the Raymond Mills (1 and 2) @ 100 hp each and two Rotary Discharge Valves. Note: this equipment is a closed pneumatic system with no controls for the

minimal fugitive emissions.

32. One (1) Discharge System for Raymond Mills Numbers 1 and 2, which consists of the following:
- a. MDAQMD Permit Number B002307 with the following components: ELV10 Bucket Elevator for the Raymond Mill 1 to pumping hoppers; ELV11 Bucket Elevator; and ELV12 Bucket Elevator from ELV09 to Rail Car (to remain idle). This unit is controlled by a baghouse (DCL45, District Permit Number C001890, which is a primary control for Pebble Mill Number 1, District Permit Number B000669, please see below).
33. One (1) Feed System for Raymond Mills Numbers 3, 4 and 5, which consists of the following:
- a. MDAQMD Permit Number B000645 with the following components: CBE40 Belt Conveyor from ELV15 to Feed Bins 3 and 4; CBE41 Belt Conveyor from CBE40 to Bin 5; and CBE42 Belt Conveyor from CBE41 to Number 4 Raymond Mill. This unit is controlled by a baghouses (DCL15, District Permit Number C000685, please see above and DCL38, District Permit Number C002330, please see below).
- b. MDAQMD Permit Number C000635 which is a baghouse described as DCL15. This collector serves as primary collector for Raymond Mills Numbers 3, 4 and 5 (District Permit B000645) and secondary for Truck Loadout Raymond Mill Number 4. See the described immediately above. This unit has the following design parameters: Mikro-Pulsaire, Model 64-S-8-20 with an air:cloth of 8.8:1; total cloth area of 452 square feet and a flow rate of 4000 ACFM This unit has 48 bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from the following points: Drip to Mill Feed Raymond Mill Number 5, Belt 41 and Drop to Truck Loadout from CBE60 (District Permit Number B000612, see below). See drawing PFD 404 for more detailed information.
34. One (1) Raymond Mill Number 4 System, which consists of the following:
- a. MDAQMD Permit Number B000672, which has the following components:
- | <u>I.D.</u> | <u>Description</u> |
|-------------|---------------------------------|
| 004RD | Number 4 Raymond Mill Feed Bin |
| 104RD | Number 4 Raymond Mill and Drive |
| 204RD | Number 4 Raymond Mill Feeder |
| 414RD | Number 4 Whizzer |
| 404RD | Number 4 Raymond Mill Main Fan |

504RD	Number 4 Raymond Mill Cyclone
280RE	Rotary Feeder from No. 4 Raymond Mill Cyclone
724RP	Pumping Hoppers, No. 4 Raymond Mill
SCC05	Pumping Blower, No. 4 Raymond Mill
744RP	Rotary Lock, No. 4 Raymond Mill Pumping Hoppers

Note: this unit is controlled by DCL14, District Permit C000634, see below.

- b. MDAQMD Permit Number B000612, which has the following components: 83ORD Airslide and BLR40 Blower. Note: this unit is controlled by DCL14, District Permit C000634, see below.
 - c. MDAQMD Permit Number C000634 which is a baghouse described as DCL14. This collector serves as primary collector for Raymond Mill Number 4 (District Permit B000634. See the described, above. This unit has the following design parameters: Mikro-Pulsaire, Model 36S-8-30 with an air:cloth of 4.4:1; total cloth area of 339 square feet and a flow rate of 1500 ACFM This unit has 36 bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from the following point: Raymond Mill Number 4 at the cyclone 504RD discharge line to fan 404RD see above). See drawing PFD 404 for more detailed information.
35. One (1) Bulk Loadout Bin for Raymond Mill Number 4 System, which consists of the following:
- a. MDAQMD Permit Number T002325, which has the following components: 704RD Loadout Bin whose capacity is approximately 4500 cubic feet (32,600 gallons). Note that there are no controls on this unit.
36. One (1) Raymond Mill Number 3 System, which consists of the following:
- a. MDAQMD Permit Number B000673, which has the following components:

<u>I.D.</u>	<u>Description</u>
003RC	Number 3 Raymond Mill Feed Bin
103RC	Number 3 Raymond Mill and Drive
203RC	Number 3 Raymond Mill Feeder
313RC	Number 3 Whizzer
403RC	Number 3 Raymond Mill Main Fan
503RC	Number 3 Raymond Mill Cyclone
270RE	Rotary Valve from No. 3 Raymond Mill Cyclone
723RP	Pumping Hoppers, No. 3 Raymond Mill

733RP	Pumping Blower, No. 3 Raymond Mill
743RP	Rotary Lock, No. 3 Raymond Mill Pumping Hoppers
SCC04	Sweco Screen
CSC16	Number 3 Raymond Mill Screw Conveyor

Note: this unit is controlled by DCL27, District Permit C000713 and DCL32, District Permit C000643 see below for both descriptions.

- b. MDAQMD Permit Number C000643 which is a baghouse described as DCL32. This collector serves as primary collector for Raymond Mill Number 3 (District Permit B000673. See the described, above. This unit has the following design parameters: Mikro-Pulsaire, Model SQ81-8 (Serial Number 057-92302), with an air:cloth of 6.6:1; total cloth area of 763 square feet and a flow rate of 5000 ACFM This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from the following point: Raymond Mill Number 3 at the twin pumping hoppers 723RP, see above. See drawing PFD 404 for more detailed information.
Note: this unit is controlled by DCL31, District Permit, see below for description.
- b. MDAQMD Permit Number C000713 which is a baghouse described as DCL27. This collector serves as primary collector for Raymond Mill Number 3 (District Permit B000673. See the described, above. This unit has the following design parameters: Mikro-Pulsaire, Model 36510-30TR (Elevation Loop DC), with an air:cloth of 4.7:1; total cloth area of 424 square feet and a flow rate of 2000 ACFM This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from the following point: Raymond Mill Number 3 at the cyclone 505RC discharge line to fan 403RC. Please see above. See drawing PFD 404 for more detailed information.

37. One (1) Raymond Mill Number 5 System, which consists of the following:

- a. MDAQMD Permit Number B000654, which has the following components:

<u>I.D.</u>	<u>Description</u>
005RE	Number 5 Raymond Mill Feed Bin
105RE	Number 5 Raymond Mill and Drive
205RE	Number 5 Raymond Mill Feeder
305RE	Number 5 Whizzer
405RE	Number 5 Raymond Mill Main Fan
505RE	Number 5 Raymond Mill Cyclone
515RE	Dump Valve from No. 5 Raymond Mill Cyclone
725RE	Pumping Hoppers, No. 5 Raymond Mill
735RP	Pumping Blower, No. 5 Raymond Mill

745RP Rotary Locks, No. 5 Raymond Mill Pumping Hoppers

Note this unit is controlled by baghouse DCL31, District Permit Number C000655, see below.

- b. MDAQMD Permit Number C000655 which is a baghouse described as DCL31. This collector serves as primary collector for the 100 ton Bins, which serve Raymond Mill Number 5 (District Permit B000654. See the described, above. This unit has the following design parameters: Fabric Filters Company, Model 81-8 (Evacuation Loop DC), with an air:cloth of 5.2:1; total cloth area of 763 square feet and a flow rate of 4000 ACFM This unit has bags of polyethylene that emit approximately 0.008 grains per cubic foot and picks up dust from the following point: Raymond Mill Number 5 at the cyclone 505RE discharge line to fan 404RE. Please see above. See drawing PFD 404 for more detailed information.

38. One (1) Raymond Mill Number 6 System, which consists of the following:

- a. MDAQMD Permit Number B003038, which has the following components:

<u>I.D.</u>	<u>Description</u>
006RF	Number 6 Raymond Mill Feed Bin Number 6 Raymond Mill and Drive Number 6 Raymond Mill Feeder
316RF	Number 6 Whizzer
406RF	Number 6 Raymond Mill Main Fan
506RF	Number 6 Raymond Mill Cyclone
726RF	Pumping Hoppers, No. 6 Raymond Mill
727RF	Pumping Hoppers, No. 6 Raymond Mill

Note this unit is controlled by baghouses DCL74, District Permit Number C003039, DCL73, District Permit Number C003040, DCL75, District Permit Number C003041, and DCL76, District Permit Number C003042, see below.

- b. MDAQMD Permit Number C003039 which is a baghouse described as DCL74. This collector serves as primary collector for Raymond Mill Number 6 (District Permit B003038. See the described, above. This unit has the following design parameters: Mikro-Pulsaire, Model 81S-8-20-C, and a flow rate of 4500 ACFM This unit has bags of un-treated polyester. See drawing PFD 406 for more detailed information.
- c. MDAQMD Permit Number C003040 which is a baghouse described as DCL73. This collector serves as primary collector for Raymond Mill Number 6 (District Permit B003038. See the described, above. This unit has the following design parameters:

Mikro-Pulsaire, Model 81S-8-20-C, and a flow rate of 4500 ACFM This unit has bags of un-treated polyester. See drawing PFD 406 for more detailed information.

- d. MDAQMD Permit Number C003041 which is a baghouse described as DCL75. This collector serves as primary collector for Raymond Mill Number 6 (District Permit B003038. See the described, above. This unit has the following design parameters: Mikro-Pulsaire, Model 81S-8-20-C, and a flow rate of 4500 ACFM This unit has bags of un-treated polyester. See drawing PFD 406 for more detailed information.
- e. MDAQMD Permit Number C003042 which is a baghouse described as DCL76. This collector serves as primary collector for Raymond Mill Number 6 (District Permit B003038. See the described, above. This unit has the following design parameters: Mikro-Pulsaire, Model 81S-8-20-C, and a flow rate of 4500 ACFM This unit has bags of un-treated polyester. See drawing PFD 407 for more detailed information.

39. One (1) Pneumatic Transfer System, which consists of the following:

- a. MDAQMD Permit Number B000647, which is: 736RP Blower for Pneumatic Transfer System and 740 Four Rotary Locks for the four 100 ton Storage to Bulk Loadout silos. Note that this unit is self-contained and has no controls of its own, but is controlled by other units to which the product is transferred.

40. One (1) Storage Bin Feed System of Silos, which consists of the following equipment:

- a. MDAQMD Permit Number T000642, whose I.D.s and controls are listed below:

<u>Silo I.D.</u>	<u>Capacity</u>	<u>Dust Collector</u>	
	<u>Tons</u>	<u>DCL No.</u>	<u>Permit Number</u>
1-100-760RP	30.0	34	C000653
2-100-760RP	30.0	35	C000651
3-100-760RP	30.0	35	C000649
4-100-760RP	30.0	36	C000652

Note that the controls are described immediately below.

- b. MDAQMD Permit Number C000649 which is a baghouse described as DCL36. This collector serves as primary collector for four 100 ton bins serving the Raymond Mill Number 5 (District Permit T000642. See the described, above. This unit has the following design parameters: Fabric Filters, Bin Vent Model SQ36-8, with an air:cloth ratio of 13.9:1 and a flow rate of 4700 ACFM This unit has bags of polyethylene and an estimated

exhaust of 0.008 grains per cubic foot. See drawing PFD 405 for more detailed information.

- c. MDAQMD Permit Number C000651 which is a baghouse described as DCL35. This collector serves as primary collector for four 100 ton bins serving the Raymond Mill Number 5 (District Permit T000642. See the described, above. This unit has the following design parameters: Fabric Filters, Bin Vent Model SQ36-8, with an air:cloth ratio of 13.9:1 and a flow rate of 4700 ACFM. This unit has bags of polyethylene and an estimated exhaust of 0.008 grains per cubic foot. See drawing PFD 405 for more detailed information.
 - d. MDAQMD Permit Number C000652 which is a baghouse described as DCL37. This collector serves as primary collector for four 100 ton bins serving the Raymond Mill Number 5 (District Permit T000642. See the described, above. This unit has the following design parameters: Fabric Filters, Bin Vent Model SQ36-8, with an air:cloth ratio of 13.9:1 and a flow rate of 4700 ACFM. This unit has bags of polyethylene and an estimated exhaust of 0.008 grains per cubic foot. See drawing PFD 405 for more detailed information.
 - e. MDAQMD Permit Number C000653 which is a baghouse described as DCL34. This collector serves as primary collector for four 100 ton bins serving the Raymond Mill Number 5 (District Permit T000642. See the described, above. This unit has the following design parameters: Fabric Filters, Bin Vent Model SQ36-8, with an air:cloth ratio of 13.9:1 and a flow rate of 4700 ACFM. This unit has bags of polyethylene and an estimated exhaust of 0.008 grains per cubic foot. See drawing PFD 405 for more detailed information.
41. One (1) North Dock Loadout System and Reclaim, which consists of the following equipment:
- a. MDAQMD Permit Number B000658, which has the following components: 730RP Pumping Blower Reclaim Dust from DCL33 (see District Permit C000644, below) to E3 or W4 Silos; 746 RP Rotary Lock Number 5 Raymond Mill Reclaim; RP Rotary Lock Cyclone to Tote Bin, and North Dock Scale, 100 ft weigh bridge. See drawing PFD 405 for more information.
 - b. MDAQMD Permit Number T000648, which has the following components: E175-767RP a 175 ton Silo; W175-767RP, a 175 ton Silo; E60-768RP, a 60 ton Silo; and W60-768RP, a 60 ton Silo. This unit vents to control equipment described below in District

Permit C000644, DCL33.

- c. MDAQMD Permit Number B002309, which has the following components: Super Sack Packing Station Loading Spouts, 2 each. This equipment is vented to control equipment described under District Permit C000644, DCL33.
 - d. MDAQMD Permit Number C000644, which is DCL33 and described as follows: a baghouse by unknown manufacturer, Pulse Jet, model 144-10 with an air to cloth ratio of 10.5:1. The bags have a total filtration area of 1356 square feet that allows a flow rate of 14, 200 ACFM. There are 144 bags of polyethylene that provides an estimated emission concentration of particulates of 0.008 grains per cubic foot. This baghouse picks up emissions from the 4 Loadout Gates from the 4 Silos (District Permit B000658, above), the Pipe Manifold atop W60 Silo 768RP (District Permit T000648) and the Mobile Packer (District Permit B002309). For more information, see drawing PFD 405.
42. One (1) Pebble Mill Number 1 System, which consists of the following:

- a. MDAQMD Permit Number B000669 which has the following components:

<u>I.D. Number</u>	<u>Description</u>
001VA	Number 1 Pebble Mill Feed Bin, 1000 cubic Feet
011VA	Number 1 Pebble Mill
031VA	Feeder for Number 1 Pebble Mill
071VA	Main Fan for Number 1 Pebble Mill
081VA	Cyclone, Number 1 Pebble Mill
091VA	Cyclone Rotary Valve, Number 1 Pebble Mill
101VA	Air Slide Blower, Number 1 Pebble Mill
111VA	Airslides for Number 1 Pebble Mill
201VA	No. 11 Classifier, Number 1 Pebble Mill
202VA	No. 12 Classifier, Number 1 Pebble Mill
203VA	No. 13 Classifier, Number 1 Pebble Mill
204VA	No. 14 Classifier, Number 1 Pebble Mill
205VA	No. 15 Classifier, Number 1 Pebble Mill
206VA	No. 16 Classifier, Number 1 Pebble Mill
207VA	No. 17 Classifier, Number 1 Pebble Mill
208VA	No. 18 Classifier, Number 1 Pebble Mill
209VA	No. 19 Classifier, Number 1 Pebble Mill
210VA	No. 20 Classifier, Number 1 Pebble Mill
211VA	No. 21 Classifier, Number 1 Pebble Mill
361VA	Distribution Box, Number 1 Pebble Mill
381VA	Finished Product Bin, Number 1 Pebble Mill

CSC09 Screw Conveyor Return Product, DCL17 to Number 1 Pebble Mill
CSC10 Screw Conveyor Class 9 Product to Pack Bin
CSC11 Screw Conveyor from No. PM Pack Bin to ELV22

Note that this equipment is vented to two control units for particulate matter, District Permit C000629 (DCL17) and C001890 (DCL45), see below for both. For additional information see drawing PFD 501.

- b. MDAQMD Permit Number C000629 described as Mikropul, Pulse Jet, which is model 80S8 with an air to cloth ratio of 4.9:1. The bags have a total filtration area of 754 square feet that allows a flow rate of 3700 ACFM. There are 100 bags of polyethylene that provides an estimated emission concentration of particulates of 0.008 grains per cubic foot. This baghouse picks up emissions from the top of the Number 1 Pebble Mill Cyclone (District Permit B000669, above). For more information, see drawing PFD 501.
- c. MDAQMD Permit Number B000624, which is the Packer for Pebble Mill Number 1 with the following: PKR21 Vicron 15-15 Packer. This unit vents to particulate control baghouse under District Permit Number C001890. See below and drawing PFD 501.

43. One (1) Pebble Mill Number 2 System, which consists of the following:

- a. MDAQMD Permit Number B000670 which has the following components:

<u>I.D. Number</u>	<u>Description</u>
002VB	Number 2 Pebble Mill Feed Bin, 1000 cubic Feet
012VB	Number 2 Pebble Mill
032VB	Feeder for Number 2 Pebble Mill
072VB	Main Fan for Number 2 Pebble Mill
082VB	Cyclone, Number 2 Pebble Mill
092VB	Cyclone Rotary Valve, Number 2 Pebble Mill
102VB	Air Slide Blower, Number 2 Pebble Mill
112VB	Airslides for Number 2 Pebble Mill
201VB	New Classifier, Number 2 Pebble Mill
301VB	New Classifier, Number 2 Pebble Mill
CSC64	Dust Return Screw Conveyor from DCL45 to Spill Box 1
CSC65	Classifier Discharge Screw from 210VB/301VB to Pebble Mill No. 1
CSC30B	Dust Return Screw from DCL45 to Pebble Mill Number 1.
ELV16	Bucket elevator from ELV07 to No. 2 Pebble Mill Feed Bin (idled)
MS101	Microsizer Classifier to No. 2 Pebble Mill
MS102	Microsizer Fan
RV101	Rotary Valve Feeder to Microsizer

RV102	Coarse Discharge rotary lock to No. 2 Pebble Mill
RV103	Cyclone Product Rotary Lock 382VB Packer Bin
382VB	Finished Product Bin, No. 2 Pebble Mill
CSC63	Dust Return Screw for Bag Hopper
ELV24	Bucket Elevator from CSC63 to Reclaim Bin
KEK11	Kek System Pebble Mill excess to Reclaim
KEK10	Kek System Pebble Mill excess to Reclaim
ROT10	Rotary Lock
ROT12	Rotary Lock
BLR20	Blower for KEK System
BLR22	Blower No. 1 Classifier

Note that this equipment is vented to three control units for particulate matter, District Permits C000630 (DCL19), C001890 (DCL45) and C003018 (DCL78) see below for both. For additional information see drawing PFD 502.

- b. MDAQMD Permit Number C000630 (DCL19) described as Mikropul, Pulse Jet, model 48F8 with an air to cloth ratio of 2.9:1. The bags have a total filtration area of 1357 square feet that allows a flow rate of 4000 ACFM. There are bags of polyethylene that provides an estimated emission concentration of particulates of 0.008 grains per cubic foot. This baghouse picks up emissions from 382VB Vicron Packer Bin No. 2 Pebble Mill Discharge to Cyclone (District Permit B000670, above). For more information, see drawing PFD 502.
- c. MDAQMD Permit Number C001890 (DCL45) described as Mikropul, Pulse Jet, model 6022 with an air to cloth ratio of 6.5:1. The bags have a total filtration area of 1700 square feet that allows a flow rate of 11000 ACFM. There are bags of polyethylene that provides an estimated emission concentration of particulates of 0.008 grains per cubic foot. This baghouse serves as Primary collector for Pebble Mill No. 1 and as Secondary collector for Packer No. 1, Nos. 1 and 2 Raymond Mill discharge, Packer No. 2, Pebble Mill No. 2, 15-15 transfer to Hi-Pflex, and Packer Raymond Mill (District Permits B000624, B002307, B000622,, B000670, B002310 and B000621 respectively). This baghouse picks up emissions from 361VA Distribution Box; 381VA feed Bin to Pebble Mill No. 1 Packer; Pebble Mill No. 1 Packer, Discharges from ELV10 and 11; Raymond Mill No. 2 Packer; 362VB Distribution Box; Discharge Box, Discharge ELV22,; Vicron Packer No. 14 and Packer 28 of Raymond Mill No. 1 Packer. For more information, see drawings PFD 501, PFD502, PFD 402 and PFD 403.
- d. MDAQMD Permit Number C003018 (DCL78) described as Mikropul, Pulse Jet, model 19-10 with an air to cloth ratio of 3.9:1. The bags have a total filtration area of 224 square feet that allows a flow rate of 875 ACFM. There are 19 bags of un-coated

polyester. This baghouse serves as Primary collector for Pebble Mill No. 2 (District Permit B000670). For more information, see drawing PFD 601.

44. One (1) Packer (No. 14) for Pebble Mill Number 2 System, which consists of the following:
- a. MDAQMD Permit Number B000626 which has the following components: PKR14 Vicron 15-15 Packer. This unit is controlled for particulate emissions by baghouse DCL45 (District Permit C001890). For additional information see drawing PFD 601.
 - b. MDAQMD Permit Number B002310 which has the following components: ELV22 Bucket Elevator to Hi-Pflex;)005HX 15-15 Motivator Blower; CSC44 Feed Screw Conveyor to Turbo Feed Bin; TC100 Turbo Feed Bin; and ELV22's Discharge by-pass Rotary Valve. This unit is controlled for particulate emissions by baghouse DCL45 (District Permit C001890). For additional information see drawing PFD 601.
45. One (1) Ball Mill System, which consists of the following:
- a. MDAQMD Permit Number B003635 which has the following components:
 - Denver Ball Mill
 - Classifier Rotary Airlocks
 - Classifier Rotor
 - Classifier Fan
 - Acrison Feeder
 - Aero Conveyor
 - Drum Dumper
 - Dust CollectorNote: this unit is controlled for particulates by baghouse DCL51 (District Permit C002330).
 - b. MDAQMD Permit Number C002330 (DCL51)described as Mikropul, Pulse Jet, model 255-7 with an air to cloth ratio of 10.6:1. The bags have a total filtration area of 236 square feet that allows a flow rate of 2500 ACFM. There are 25 bags of polyethylene. This baghouse serves as Primary collector for the Ball Mill (District Permit B003635), see above.
46. One (1) Turbo System, No. 1, which consists of the following:
- a. MDAQMD Permit Number B002311 which has the following components:

<u>I. D.</u>	<u>Description</u>
--------------	--------------------

CSC37	Feed Screw Conveyor
CSC38	Discharge Screw Conveyor
RV101	Rotary Valve
TC101	Classifier
TC102	Fan
TC103	Dual Cyclone
TC104	Rotary Lock
TC105	Evacuating Butterfly Lock

Note: this unit is controlled for particulates by baghouse DCL52 (District Permit C002346, see below and on drawing PFD 601).

- b. MDAQMD Permit Number C002346 (DCL52) described as Mikropul, Pulse Jet, model 255-7 with an air to cloth ratio of 1.2:1. The bags have a total filtration area of 1700 square feet that allows a flow rate of 2000 ACFM. The bags are polyethylene. This baghouse serves as Primary collector for the No. 1 Turbo System and as a Secondary collector for the No. 1 Turbo System (District Permits B002311 and B002313, see above and below respectively). The pick-up points that are served by this collector are: Pressure Lines Fans TC102 and TC202 via Valves TC105 and TC205 (see drawing PFD 601 for additional information).

47. One (1) Turbo System, No. 2, which consists of the following:

- a. MDAQMD Permit Number B002313 which has the following components:

<u>I. D.</u>	<u>Description</u>
CSC45	Feed Screw Conveyor
CSC46	Discharge Screw Conveyor
RV201	Rotary Valve
TC201	Classifier
TC202	Fan
TC203	Dual Cyclone
TC204	Rotary Lock
TC205	Evacuating Butterfly Lock

Note: this unit is controlled for particulates by baghouse DCL52 (District Permit C002346, see above and on drawing PFD 601).

48. One (1) Turbo Product Handling System, which consists of the following:

- a. MDAQMD Permit Number B002312 which has the following components:

<u>I. D.</u>	<u>Description</u>
008HX	10-20 Blower

CSC47	Product Screw Conveyor
CSC48	Recycle Screw Conveyor
DV400	30° Diverter Gate
RV300	DCL52 Dust Return Rotary Lock

This equipment is controlled by DCL52, District Permit C002346, see above and drawing PFD 601.

- b. MDAQMD Permit Number B002314, which has the following components: PKR30 T Packer 30, Vicron 15-15, Vicron 25-11; and TC200 Coarse Product Bin. Note that this equipment is controlled by DCL45, District Permit C001890, see above and drawing PFD 502 for additional information.

49. One (1) Ranger 8 Packaging System, which consists of the following:

- a. MDAQMD Permit Number B000715 which has the following components:

<u>I. D.</u>	<u>Description</u>
BLR05	Airslide Blower
CSC27	Discharge Screw
MW325	Super Sack Vicron 45-3

This equipment is controlled by DCL46, District Permit C000716, see below and drawing PFD 601.

- b. MDAQMD Permit Number T002324, which has is described as a 2120 cubic foot Ranger 8 Silo (752RB), which is equivalent to approximately 15800 gallons or 125 tons of limestone. This unit is controlled by DCL46, District Permit C000716, see below and drawing PFD 601 for additional information.

- c. MDAQMD Permit Number C000716 (DCL46)described as Mikropul, Pulse Jet, model 3658-30-B, Bin Vent with an air to cloth ratio of 2.9:1. The bags have a total filtration area of 339 square feet that allows a flow rate of 1000 ACFM. The bags are polyethylene. This baghouse serves as Primary collector for the Ranger 8 Packer and Ranger 8 Silo (District Permits B000715 and T002324, respectively. See above). The pick-up points are the top of the bin (see drawing PFD 601 for additional information).

50. One (1) Hi-Pflex System, which consists of the following:

- a. MDAQMD Permit Number B000637 which has the following components:

<u>I.D. Number</u>	<u>Description</u>
410HX	Stearic Weigh Hopper
420HX	Rotary Stearic Feeder

440HX	Stearic Blower
500HX	Henschel Stearic Mixer
600HX	Henschel Discharge Valve
CSC13A	Screw Conveyor from ELV57 to Hi-Pflex Bin
CSC18A	Screw Conveyor from 1020 Bin to ELV56
CSC18B	Screw Conveyor from 15-15 Bin to ELV56
CSC19	Henschel Discharge Screw Conveyor to ELV57
CSC53	Discharge Screw Conveyor from LEV56 to KEK Sifter 10-20, 15-15 Weigh Hopper to Henschel Mixer
CSC54	Return Dust Screw Conveyor from DCL21 to ELV56
ELV56	Bucket Elevator from CSC18 A and B to CSC53
ELV57B	Bucket Elevator from CSC19 to CSC13 A and B
KEK01	KEK Sifter

Note that this equipment is vented to three control units for particulate matter, District Permits C000636(DCL21), C000641 (DCL23) and C002348 (DCL24) see below for all. For additional information see drawing PFD 701.

- b. MDAQMD Permit Number C000636 (DCL21), described as American Air Filters, Pulse Jet, model 29-1129660, with an air to cloth ratio of 0.4:1. The bags have a total filtration area of 9660 square feet that allows a flow rate of 3800 ACFM. There are 112 bags of polyethylene, whose estimated discharge is 0.008 grains per cubic foot. This baghouse serves as Primary collector for the Hi-Pflex System (District Permits B000637) and as Secondary collector for Superfill Packers System (District Permit B000610). See above and below respectively). The pick-up points are as follow: Boot Elevator 57 and 56 (see District Permit B000637); and Packers 25 A and B (see District Permit B000610 immediately below). Please see drawing PFD 701 for additional information).
- c. MDAQMD Permit Number B000610, which has the following components: PKR25A Hi-Pflex Superfill Packer feed from 152HX Twin Spout Bin and PKR25B 15-15 and 20-20 Packer feed from 151HX Twin Spout Bin. This unit is controlled by DCL21 District Permit B000636, (please see immediately above and PFD drawing 701 for additional information).
- d. MDAQMD Permit Number B000609, Hi-Pflex Loadout System, which has the following components: 170HX Hi-Pflex Airslides, 200HX Hi-Pflex Airslides Blower and Dust Return Rotary Lock from DCL62 (District Permit C002347, (please see immediately below and PFD drawing 701 for additional information).
- e. MDAQMD Permit Number C002347 (DCL62) described as Mikropul, Pulse Jet, model 165-8-30, with an air to cloth ratio of 10.6:1. The bags have a total filtration area of 151

square feet that allows a flow rate of 1600 ACFM. The bags are polyethylene. This baghouse serves as Primary collector for the Hi-Pflex Loadout System (District Permit B000609, see above). The pick-up points are the 2 Airslides, 170HX discharges (please see drawing PFD 701 for additional information).

- f. MDAQMD Permit Number T000640, Hi-Pflex Storage Feed Silos, which has the following components: 151HX Twin Silo, 10-20 and 15-15 Feed (approximately 7116 cubic feet, or 400 tons) and 152HX Twin Silo, HI-Pflex Superfill Feed (approximately 7116 cubic feet, or 400 tons). Silos 151HX and 152HX are controlled by baghouses DCL24 and DCL23 (District Permits C002348 and C000641 respectively, please see immediately below for both and drawing PFD 701 for additional information).
 - g. MDAQMD Permit Number C000641 (DCL23) described as Mikropul, Pulse Jet, model 25S-* (Bin Vent), with an air to cloth ratio of 6.3:1. The bags have a total filtration area of 236 square feet that allows a flow rate of 1500 ACFM. The bags are polyethylene. This baghouse serves as Primary collector for the Hi-Pflex Feed System (District Permit T000640, see above). The pick-up points are the top of Silo 15-15 of the Twin Bin. See drawing PFD 701 for additional information).
 - h. MDAQMD Permit Number C002348 (DCL24) described as Mikropul, Pulse Jet, model unknown, with an air to cloth ratio of 11.9:1. The bags have a total filtration area of 84 square feet that allows a flow rate of 1000 ACFM. The bags are polyethylene. This baghouse serves as Primary collector for the Hi-Pflex Loadout System (District Permit B000609, see above). The pick-up points are the Silo 10-20, 151HX (please see drawing PFD 701 for additional information).
51. One (1) Storage Bin for Vicron Product, which consists of the following:
- a. MDAQMD Permit Number T004364 which is a 175 ton Storage Bin fed by the same system that currently feeds the 4 compartment storage bin described in District Permit T000640 (see above). This unit continues to use existing truck loadout facilities described in District Permit B000609 (see above).

52. One (1) Metstone Feed and Transport System, which consists of the following:

- a. MDAQMD Permit Number B000710 which has the following components:

<u>I. D.</u>	<u>Description</u>
200KS	Impactor
502SW	Conveyor 44, Autoweigh Scale
CBE44	Belt Conveyor CBE43/64 to Diverter

CBE45	Coarse Pile Feed Belt from Tyrock Screen
CBE46	Fines Pile Feed Belt from Tyrock Screen
ELV25	Bucket Elevator from Impactor to Diverter/Tyrock
SCT08	2 Deck Tyrock 6/16 Screen Lowering Tower to Fines Pile

This equipment is controlled by DCL42, District Permits C000712 and DCL43 C000711, see below and drawing PFD 801 for additional information.

- b. MDAQMD Permit Number C000711 (DCL43) described as Mikropul, Pulse Jet, model 64-8, with an air to cloth ratio of 6.6:1. The bags have a total filtration area of 603 square feet that allows a flow rate of 4000 ACFM. The bags are polyethylene. This baghouse serves as Primary collector for the Metstone Feed System (District Permit B000710, see above). The pick-up points are the discharge of belt CBE44 at the magnet location. See drawing PFD 801 for additional information).
- c. MDAQMD Permit Number C000712 (DCL42) described as Mikropul, Pulse Jet, model 180-8, with an air to cloth ratio of 2.3:1. The bags have a total filtration area of 1696 square feet that allows a flow rate of 13,400 ACFM. The bags are polyethylene. This baghouse serves as Primary collector for the Metstone Feed System (District Permit B000710, see above). The pick-up points are the drop off at belt CBE45, drop off at belt CBE46, Boot Elevator 25 and the Discharge Elevator 25. See drawing PFD 801 for additional information).

- d. MDAQMD Permit Number B000709, Metstone Loadout, Railroad and Truck System, which has the following components:

<u>I. D.</u>	<u>Description</u>
645KS	Vibrating Feeder from Coarse Pile to CBE47
646SW	Vibrating Feeder from Fines Pile to CBE48
CBE47	Belt Conveyor Coarse to Final Loadout CBE49
CBE48	Belt Conveyor Fines to Final Loadout CBE49
CBE49	Final Belt Conveyor to RR Loadout and Truck Loadout
	Metstone Loadout 100 feet Weigh Bridge

This equipment is controlled by baghouse DCL72 (District Permit C002396). See immediately below and drawing PFD 801 for additional information.

- e. MDAQMD Permit Number C002396 (DCL72) described as Unknown Make and model, whose parameters include an air to cloth ratio of 5:1 and a flow rate of 940 ACFM. The bags are polyester and the estimate of emissions is 0.02 grains per cubic foot This baghouse serves as Primary collector for the Metstone Rail and Truck Loadouts (District Permit B000709, see above, and drawing PFD 801 for additional information).

53. Two (2) Vicron Storage Bins which consists of the following:
- a. MDAQMD Permit Number T002326, which is used to store briquettes as described L209. This unit has a capacity of 2774 cubic feet (20,750 gallons) or 160 tons. This equipment is controlled by DCL50, District Permit C002349, see below and drawing PFD 901 for additional information.
 - b. MDAQMD Permit Number B005018 (mis-labeled and should be prefix T), which is described as a 50 ton capacity unit. This is equivalent to approximately 6500 gallons (or 870 cubic feet). This equipment is controlled by DCL50, District Permit C002349, see below and drawing PFD 901 for additional information.
 - c. MDAQMD Permit Number C002349 (DCL50) described as Mikropul, Pulse Jet, model 25-S-820, with an air to cloth ratio of 6.4:1. The bags have a total filtration area of 236 square feet that allows a flow rate of 1500 ACFM. The bags are polyester with an estimated discharge of 0.008 grains per cubic foot. This baghouse serves as Primary collector for the Vicron 15-15 Storage Bin (District Permit T002326, see above) and the Storage Bin Vicron 31-6 (District Permit B005018, which was mis-entered in the PTBS and should be T005018), see above. The pick-up points are the discharge of belt CBE44 at the magnet location and the top of the Vicron 31-6 Bin. See drawing PFD 901 for additional information.
54. One (1) Fuel Oil Storage Tank which is used to store No. 2 fuel, MDAQMD Permit Number T002327. This tank is above ground and has a capacity of 200,000 gallons.
55. One (1) Diesel Fuel Fired Emergency Electricity Generator, which is described as:
- a. MDAQMD Permit Number E002367. This unit is fired on No. 2 diesel fuel. The unit shall only be used for power when the normally supplied commercial power has been interrupted and for brief testing periods. The unit is rated at 1200 bhp with an output of approximately 1100 kW(e).
56. One (1) Automated Packaging Center, No. 2, which is described as:
- a. MDAQMD Permit Number B005116. This unit is equipment that automatically packages products for shipment. The unit is controlled by baghouse DCL94, District Permit C005117. See below.
 - b. MDAQMD Permit Number C005117, which is described as a Mikropul Jet, model 8B. This unit has 9 bags each of which are 8 feet long and 4.5 inches in diameter. The bags are polyethylene with an air to cloth ratio of 4.5:1, an airflow of 1200 ACFM and

estimated emissions concentration of 0.08 grains per cubic foot.

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(31)(vi)(C) - 02/01/77 43 FR 52237; Current Rule Version = 07/25/77]
8. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[**SIP Pending:** Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]
9. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
10. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
11. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
12. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal nor exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - a. While any unit is fired on Public Utilities Commission grade natural gas, Periodic Monitoring is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements see applicable Part II and Part III conditions)
[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

13. Owner/Operator is limited to use the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 ppm calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limit for PUC quality natural gas fuel shall be determined by records supplied from the natural gas supplier documenting the sulfur content of the utility grade - pipeline quality natural gas supplied as fuel. Compliance with Rule 431 fuel sulfur limit for diesel fuel shall be determined by keeping records of CARB certified diesel fuel given by supplier's fuel analysis guarantee. Records shall be kept on-site and available for review by District, state or federal personnel at any time. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or ASTM method D 2880-71, or equivalent.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
14. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
15. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM₁₀ Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.
[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/31/95 and submitted 10/13/95]
16. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
 - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

17. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
- (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
- (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
- [Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
18. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm, on a volume per volume basis.
- [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
- [Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]
19. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm, on a volume per volume basis, measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
- (a) The provisions of this condition shall not apply to emissions from internal combustion engines.
- [Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
20. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
- (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.
- [Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.
[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
Reference Section III A(1)
22. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
- (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
 - (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
 - (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
 - (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
 - (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.
- [**SIP Pending:** Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]
23. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
- (a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.
 - (b) Organic materials emitted into the atmosphere from the use of photochemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18

kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.

- (c) Organic materials emitted into the atmosphere from the use of non-photochemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
- (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
- (e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

24. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
 - (c) Cold Solvent Degreasers - Freeboard Requirements:
 - (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.
 - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
 - (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.
 - (d) Cold Solvent Degreasers - Cover Requirements:

- (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.
- (e) Cold Solvent Degreasers - Solvent Level Identification:
 - (ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
- (f) All Degreasers shall comply with the following operating requirements:
 - (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
 - (ii) Degreasers shall not be operating with any detectable solvent leaks.
 - (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
 - (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
 - (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
 - (vi) Solvent carry-out shall be minimized by the following methods:
 - a) Rack workload arranged to promote complete drainage
 - b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
 - c) Retain the workload inside of the vapor zone until condensation ceases.
 - d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
 - e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
 - (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
 - (viii) Except for sealed chamber degreasers, all solvent agitation shall be

either by a pump recirculation, a mixer, or ultrasonics.

- (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
 - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
 - (i) product name(s) used in the degreaser, and
 - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a

- manner as prescribed by the District.
- (3) Documentation shall be maintained on site, for a minimum of five (5) years, of the disposal or on site recycling of any waste solvent or residues.
 - (4) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

25. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed below:

<u>Table of Standards</u>	
<u>COATING:</u>	<u>VOC (g/l)</u>
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	250
General Primers, Sealers and Undercoaters	350
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	
Anti-Graffiti Coatings	600
General Coatings	420
High Temperature Coatings	550
Lacquer	680
Magnesite Cement Coatings	600
Mastic Texture Coatings	300
Metallic-Pigmented Coatings	500
Multi-Color Coatings	580
Opaque Stains	350
Opaque Wood Preservatives	350
Pretreatment (Wash) Primer	780
Quick Dry Enamels	400
Quick Dry Primers, Sealers and Undercoaters	450
Roof Coatings	300
Sanding Sealers	550

Semi-transparent Stains	350
Semi-transparent and Clear Wood Preservatives	350
Shellac	
Clear	730
Pigmented	550
Swimming Pool Coatings	650
Swimming Pool Repair and Maintenance Coatings	650
Traffic Paints	250
For Other Surfaces	250
Black Traffic Coatings	650
Varnish	350
Waterproof Sealers	400

[Rule 1113 - *Architectural Coatings*; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013; Current Rule Version = 09/02/92]

26. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVL) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

27. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	<u>Air Dried</u>		<u>Baked</u>	
	gr/L	(lb/gal)	gr/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)

Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

28. The provisions of Part II, Condition A.26 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

29. The provisions of Part II, Conditions A.26 and A.27 shall not apply to:
- (a) A facility, which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
 - (b) Total non-compliant coating use per facility that does not exceed 55 gallons per year.
 - (c) Stencil coatings.
 - (d) Safety-indicating coatings.

(e) Magnetic data storage disk coatings.

(f) Solid-film lubricants.

(g) Adhesives.

(h) The coating of motor vehicle bodies at motor vehicle rework facilities.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

30. Owner/Operator of any facility classified as exempt or claiming to be exempt, under Rule 1115, shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

31. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

32. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:

- (a) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
- (b) VOC-containing materials has an initial boiling point of 190° C (374° F) or greater; or
- (c) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20° C (68° F).
- (d) Owner/Operator shall use closed, non-absorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
- (e) Owner/Operator shall store fresh or spent solvent in closed containers.
- (f) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

33. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the

limits and requirements of Rule 1115. This requirement applies to all written or oral contracts.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

34. Owner/Operator subject to Part II, Section A, conditions A.26 through A.39 shall comply with the following requirements:
- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use, which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
 - 1. coating, catalyst, and reducer used.
 - 2. mix ratio of components used.
 - 3. VOC content of coating as applied.
 - 4. quantity of Group II exempt compounds used.
 - (b) Owner/Operator shall maintain records on a daily basis including:
 - 1. coating and mix ratio of components used in the coating; and
 - 2. quantity of each coating applied.
 - (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
 - (d) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
35. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirement*] (for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
36. The Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)
37. A violation of the limits contained in Part II, Conditions A.26 through A.39 as determined by

any one of Part II, Conditions 38 and 39 *Reference Method Tests* shall constitute a violation of applicable Part II conditions.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

38. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.39, as required by Rule 1114:
- (a) Samples of coatings and solvent as specified in Part II, Conditions A.26 through A.39 shall be analyzed as prescribed by EPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or ARB Method 432 for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility Owner/Operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
 - (b) Emissions of volatile organic compounds as specified in Part II, Conditions A.26 through A.39 shall be measured as prescribed by EPA Reference Method 25 for determination of VOC emissions (without correction for exempt compounds) and EPA Method 18, or ARB Method 422 for measuring emission of exempt compounds.
 - (c) Transfer efficiency as required by Part II, Conditions A.26 through A.39 shall be determined by *South Coast Air Quality Management District Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989*.
 - (d) Overall abatement efficiency is the products of capture efficiency as determined by procedures described in *55 FR 26865, 29 June, 1990*, and abatement device efficiency.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*, see Part II and Part III conditions)

39. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.39, as required by Rule 1115:
- (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or

process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.

- (b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
- (c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.
- (d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).
- (e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
- (f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
- (g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).
- (h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.
- (i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
- (j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.
- (k) Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

40. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
[Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records required to be generated and/or kept by any portion of this permit shall be kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, state, or federal personnel on request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the MDAQMD at least every six (6) months unless another time period is specified in the specific provision requiring monitoring.
[40 CFR 70.6(a)(3)(iii)(A); Rule 1203(D)(1)(e)(i)]
3. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements; see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
 - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring

Requirements; see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. The Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. The Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. The Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. The Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. If the Owner/Operator is operating pursuant to a Schedule of Compliance contained herein then the Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vi)]
6. The Owner/Operator shall submit Compliance Certifications on an annual basis as prescribed by Rule 1203(F)(1). *Compliance Certifications* shall be submitted to the Mojave Desert Air Quality Management District and to the Administrator - USEPA Region 9 within thirty (30) days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, pursuant to District Rule 1203. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or

intermittent since the last certification, and the method(s) used to determine or monitor compliance. A responsible official shall certify each report to be true, accurate, and complete.

[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(vii - x)]

[Rule 1203 (F)(1)]

[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1)]

[40 CFR 70.6(5)(iii); Rule 1203(D)(g)(ix)]

7. The Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
8. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[Rule 1203 (D)(1)(f)(ii)]
9. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2)]
[Rule 1203 (F)(1)]
10. If any of Specialty Minerals, Inc. equipment is determined to not be in compliance with any federally-enforceable requirement during the 5 year permit term, the Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, the Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
 - (a) A narrative description of how the facility will achieve compliance with such requirements; and
 - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence

of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and

(c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

[**SIP Pending:** Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

11. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]
12. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]
13. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
14. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]
15. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring*

Report shall be submitted no later than January 31 and July 31 of any given year, shall be certified to be true, accurate, and complete by a responsible official, and shall include the following information and/or data:

- (a) Summary of deviations from any federally-enforceable requirement in this permit.
- (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
- (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
- (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.

[Rule 1203 (D)(1)(e)(i); and 1203 (D)(1)(c)(i - iii)]

16. Owner/Operator shall promptly report all deviations from federal operating permit requirements including those attributable to breakdown conditions. Prompt reporting shall be determined for compliance with District Rule 430.

[Rule 1203 (D)(1)(e)(ii)]

[SIP Pending: Rule 430 - Breakdown Provisions] as amended 12/21/94 and submitted 02/24/95]

17. On an **annual** basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. Each report shall be certified to be true, accurate, and complete by a responsible official and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.

[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(vii - x)]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. Standard Monitoring, Record-keeping and Reporting Requirements:

1. Any data and records required to be generated and/or kept by any portion of this permit, shall be kept current, on-site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and provided to District, state, or federal personnel on request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the MDAQMD at least every three (3) months unless another time period is specified in the specific provision requiring monitoring.
[40 CFR 70.6(a)(3)(iii)(A); Rule 1203(D)(1)(e)(i)]
3. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
 - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.

- (b) Fuel suppliers fuel analysis certification/guarantee including fuel sulfur content shall be kept on site, for a minimum of five (5) years, and available for inspection by District, state or federal personnel on request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]

B. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number C000627, Baghouse DCL01 :

1. The owner/operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable portions of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The owner/operator shall conduct emissions testing when requested by the District, to demonstrate compliance with District rules 404 and 405. The administrative and technical aspects of these tests shall strictly conform to the District's Compliance Test Procedural Manual, a copy of which will sent on written request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. This equipment shall operate concurrently with the equipment associated with the primary crushing operation (District Permit number B000611), which shall be valid whenever they are operating.

C. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit number C002143 (Dust Suppression Spray System):

1. This equipment shall operate concurrently with the equipment described in District permit B000611.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

D. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit Numbers C002338, C002397, C004434 (all baghouses):

1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The o/o shall conduct a program of maintenance, which includes weekly visible emissions determinations, monthly visual inspections of all associated equipment (including the bags and their suspensions systems) and weekly recording of pressure differential across the bags.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The o/o shall log all the items in 3. above, keep the log on-site for a minimum of 5 years and provide it to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The o/o shall install and maintain a device, which measures the differential pressure across the bags if one is not provided.

Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. This baghouse shall operate currently with the equipment described in District permit B000611.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

E. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number C004475:

1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The o/o shall conduct a program of maintenance, which includes weekly visible emissions determinations, monthly visual inspections of all associated equipment (including the bags and their suspensions systems) and weekly recording of pressure differential across the bags.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. The o/o shall log all the items in 3. above, keep the log on-site for a minimum of 5 years and provide it to District personnel on request.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The o/o shall install and maintain a device, which measures the differential pressure across the bags if one is not provided.

Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. This baghouse shall operate currently with the CBE14A and CBE15 conveyors described in District permit B002300.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

F. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers C000659, C000656 and C00687:

1. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The maintenance/inspection program shall be in accordance with the manufacturer's recommendation and/or sound engineering principles. The o/o shall maintain a log of all inspections, repairs and maintenance on this equipment. The log shall be maintained on-site for a minimum of 5 years and provided to District personnel on request.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

G. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit Number C007776:

1. This equipment shall not discharge more than 1.29 lb/h of particulate at a maximum concentration of 0.008 grains/dscf at the operating conditions in the description of the permit issued by the District.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The o/o shall conduct a minimum program of inspection and maintenance (frequencies may be changed upon successful demonstration to the District that less frequent monitoring is equally effective). The o/o shall maintain current and on-site for a minimum of 5 years a log of the information and provide same to District personnel on request:
 - a. pressure differential across the bags, weekly;
 - b. baghouse stack visible emissions determination, monthly;
 - c. bags and bag suspension system inspection, quarterly;
 - d. bag replacement and repairs.[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The o/o shall install and maintain a device, which measures the pressure differential across

the bags if one is not provided with the unit.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40CFR52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. This baghouse shall operate concurrently with the equipment described as the Drier Sizer System (District Permit Number B000663) at the pick-up points described in the permit.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40CFR52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. The o/o shall conduct compliance tests relative to District rules 404 and 405 and the discharge conditions mentioned in 1. above. Testing shall be every 5 years starting in 2001 and the test results shall be submitted to the District not later than 6 weeks prior to the expiration of the District permit.
- H. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number C002329:
 1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. The o/o shall conduct a program of maintenance, which includes weekly visible emissions determinations, monthly visual inspections of all associated equipment (including the bags and their suspensions systems) and weekly recording of pressure differential across the bags.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. The o/o shall log all the items in 3. above, keep the log on-site for a minimum of 5 years

and provide it to District personnel on request.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The o/o shall install and maintain a device, which measures the differential pressure across the bags if one is not provided.

Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. This baghouse shall operate currently with the equipment described in District permits B002301 and B000663.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

I. EQUIPMENT SPECIFIC MONITORING, RECORD-KEEPING, REPORTING AND TESTING REQUIREMENTS APPLICABLE TO MDAQMD PERMIT NUMBER C000632:

1. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The maintenance/inspection program shall be in accordance with the manufacturer's recommendation and/or sound engineering principles. The o/o shall maintain a log of all inspections, repairs and maintenance on this equipment. The log shall be maintained on-site for a minimum of 5 years and provided to District personnel on request.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that

assures compliance with applicable Rules of District Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

J. EQUIPMENT SPECIFIC MONITORING, RECORD-KEEPING, REPORTING AND TESTING REQUIREMENTS APPLICABLE TO MDAQMD PERMIT NUMBERS C002338, C002951 AND C000695:

1. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. The maintenance/inspection program shall be in accordance with the manufacturer's recommendation and/or sound engineering principles. The o/o shall maintain a log of all inspections, repairs and maintenance on this equipment. The log shall be maintained on-site for a minimum of 5 years and provided to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- K. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number C003713:
1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. The o/o shall conduct a program of maintenance, which includes weekly visible emissions

determinations, monthly visual inspections of all associated equipment (including the bags and their suspensions systems) and weekly recording of pressure differential across the bags.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. The o/o shall log all the items in 3. above, keep the log on-site for a minimum of 5 years and provide it to District personnel on request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The o/o shall install and maintain a device, which measures the differential pressure across the bags if one is not provided.

Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. This baghouse shall operate currently with the equipment described in District permits B002303 and B000615.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

L. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit Number C007770:

1. This equipment shall not discharge more than 0.75 lb/h of particulate at a maximum concentration of 0.008 grains/dscf at the operating conditions in the description of the permit issued by the District.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The o/o shall conduct a minimum program of inspection and maintenance (frequencies may be changed upon successful demonstration to the District that less frequent monitoring is equally effective). The o/o shall maintain current and on-site for a minimum of 5 years a log of the information and provide same to District personnel on request:
 - a. pressure differential across the bags, weekly;
 - b. baghouse stack visible emissions determination, monthly;
 - c. bags and bag suspension system inspection, quarterly;
 - d. bag replacement and repairs, whenever these occur.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40CFR52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The o/o shall install and maintain a device, which measures the pressure differential across the bags if one is not provided with the unit.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40CFR52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. This baghouse shall operate concurrently with the equipment described as the Feed System to Blender Storage (District Permit Number B002303) at the pick-up points described in the permit.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73,
40CFR52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. The o/o shall conduct compliance tests relative to District rules 404 and 405 and the discharge conditions mentioned in 1. above. Testing shall be every 5 years starting in 2001 and the test results shall be submitted to the District not later than 6 weeks prior to the expiration of the District permit.
- M. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit Numbers C003714 and C004830:
 1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. The o/o shall conduct a program of maintenance, which includes weekly visible emissions determinations, monthly visual inspections of all associated equipment (including the bags and their suspensions systems) and weekly recording of pressure differential across the bags.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. The o/o shall log all the items in 3. above, keep the log on-site for a minimum of 5 years and provide it to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The o/o shall install and maintain a device, which measures the differential pressure across the bags if one is not provided.

Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. This baghouse shall operate currently with the equipment described in District permits B002303 and B000615.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. Compliance testing shall not be required on this unit, based on test results from identical units.

N. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers C002343:

1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The o/o shall conduct a program of maintenance, which includes weekly visible emissions determinations, monthly visual inspections of all associated equipment (including the bags and their suspensions systems) and weekly recording of pressure differential across the bags.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. The o/o shall log all the items in 3. above, keep the log on-site for a minimum of 5 years and provide it to District personnel on request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The o/o shall install and maintain a device, which measures the differential pressure across the bags if one is not provided.

Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. This baghouse shall operate currently with the equipment described in District permits B000607.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

O. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers C000695:

1. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The maintenance/inspection program shall be in accordance with the manufacturer's recommendation and/or sound engineering principles. The o/o shall maintain a log of all inspections, repairs and maintenance on this equipment. The log shall be maintained on-site for a minimum of 5 years and provided to District personnel on request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

P. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit Number C002340:

1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The o/o shall conduct a program of maintenance, which includes weekly visible emissions determinations, monthly visual inspections of all associated equipment (including the bags and their suspensions systems) and weekly recording of pressure differential across the bags.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The o/o shall log all the items in 3. above, keep the log on-site for a minimum of 5 years and provide it to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. The o/o shall install and maintain a device, which measures the differential pressure across the bags if one is not provided.

Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. This baghouse shall operate currently with the equipment described in District permit B000667.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

Q. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit Number C003432:

1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The o/o shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The o/o shall conduct a program of maintenance, which includes weekly visible emissions determinations, monthly visual inspections of all associated equipment (including the bags and their suspensions systems) and weekly recording of pressure differential across the bags.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The o/o shall log all the items in 3. above, keep the log on-site for a minimum of 5 years and provide it to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. This baghouse shall operate currently with the equipment described in District permits B000662 and B000667.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

R. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number C007777:

1. The Owner/Operator (o/o) shall conduct a minimum program of inspection and maintenance (frequencies may be changed upon successful demonstration to the District that less frequent monitoring is equally effective). The o/o shall maintain current and on-site for a minimum of 5 years, a log of this information, which shall be provided to District personnel on request:

- a. Pressure differential across the bags (weekly);
- b. Baghouse stack visible emissions determinations (monthly);
- c. Bags and bag suspension inspections (quarterly); and
- d. Bag replacement and repairs.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. Regular emissions testing of this unit for demonstration of compliance with District rules 404 and 405 are not required. The District may require emissions testing at its discretion.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

S. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number C000684:

1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The o/o shall conduct a program of maintenance, which includes weekly visible emissions determinations, monthly visual inspections of all associated equipment (including the bags and their suspension system) and weekly measurements of the pressure differential across the bags.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The o/o shall log all the items above, keep the log on-site for a minimum of 5 years and present it to the District on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- T. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit Numbers: C001890, C002330, C002331, C002332, C002334, C002344, C002346, C002347, C002348, C002396, C002349, C000638, C004600, C005117, C003040, C003041, C003042, and C003257:
 1. The Owner/Operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to Regulation IV.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. The o/o shall conduct a program of maintenance, which includes weekly visible emissions determinations, monthly visual inspections of all associated equipment (including the bags and their suspension system) and weekly measurements of the pressure differential across the bags.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. The o/o shall log all the items above, keep the log on-site for a minimum of 5 years and present it to the District on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- U. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit Numbers: C000629, C000630, C000685, C000678, C000679, C000635, C000636, C000636, C000641, C000643, C000644, C000649, C000651, C000652, C000653, C000711, C000712, C000713, C000716, C000613, C003018, and C000714:
 1. The Owner/Operator (o/o) shall operate this particulate control equipment in strict accord with the manufacturer's specifications and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The maintenance/inspection program shall be in accordance with the manufacturer's recommendations and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- 3 The (o/o) shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to the District on request. The log shall be kept for a minimum of 5 years.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- V. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers: B003635:
 1. The Owner/Operator (o/o) shall log the daily throughput of limestone to this unit and the total shall not exceed 36 t/d.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. The o/o shall maintain this log on-site for a minimum of 5 years and present it to the District personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- W. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers: E002367:
 1. The sulfur content of the fuel used in this equipment shall not exceed 0.05% by weight. The owner/operator , o/o, shall log all purchases of this fuel, including the volume (or weight), date received and the sulfur content. The o/o may use the supplier's sulfur analytical data but at least annually take a sample of the fuel and submit it for analysis by an independent laboratory/testing firm. The results of the analyses shall be reported to the District upon receipt and logged.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. This generator shall not be operated more than 1000 hours in any calendar year without requesting and receiving written approval from the District APCO. All operating times shall be logged to the nearest quarter hour of duration.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. This log shall be maintained on-site for a minimum of 5 years and provided to District personnel on request.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

X. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements
Applicable to MDAQMD Permit Numbers: B005116:

1. The Owner/Operator (o/o) shall log the daily throughput of limestone to this unit and the total shall not exceed 36 t/d.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The o/o shall maintain this log on-site for a minimum of 5 years and present it to the District personnel on request.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

PART IV

STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction, the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. The Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. The Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. The Owner/Operator shall furnish to District, state or federal personnel on request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
10. The Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. The Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s).
[40 CFR 70.6(f)(1); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations that occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading, pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]
20. If the Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, the Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]
21. If the Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S):

No additional Operational Flexibility provisions allowed without appropriate permit modifications.

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CBE	Conveyor Belt (abbreviation used by Specialty Minerals)
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
CSC	Screw Conveyor (abbreviation used by Specialty Minerals)
District	Mojave Desert Air Quality Management District (formed July 1993)
ELV	Elevator (abbreviation used by Specialty Minerals)
hp	horsepower
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
PM ₁₀	particulate matter less than 10 microns mean aerodynamic diameter
psia	pounds per square inch absolute
rpm	revolutions per minute
SIC	Standard Industrial Classification

SIP State of California Implementation Plan
SO₂ sulfur dioxide

D. DEFINITIONS:

1. For the purposes of MDAQMD Rule 203 - *Permit to Operate*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 203 shall apply.
2. For the purposes of MDAQMD Rule 204 - *Permit Conditions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 204 shall apply.
3. For the purposes of MDAQMD Rule 206 - *Posting of Permit to Operate*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 206 shall apply.
4. For the purposes of MDAQMD Rule 207 - *Altering or Falsifying of Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 207 shall apply.
5. For the purposes of MDAQMD Rule 209 - *Transfer and Voiding of Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 209 shall apply.
6. For the purposes of MDAQMD Rule 219 - *Equipment Not Requirement a Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 219 shall apply.
7. For the purposes of MDAQMD Rule 221 - *Federal Operating Permit Requirement*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 221 shall apply.
8. For the purposes of MDAQMD Rule 301 - *Permit Fees*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 301 shall apply.
9. For the purposes of MDAQMD Rule 312 - *Fees for Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 312 shall apply.

10. For the purposes of MDAQMD Rule 401 - *Visible Emissions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 401 shall apply.
11. For the purposes of MDAQMD Rule 402 - *Nuisance*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 402 shall apply.
12. For the purposes of MDAQMD Rule 403 - *Fugitive Dust*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 403 shall apply.
13. For the purposes of MDAQMD Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 403.2 shall apply.
14. For the purposes of MDAQMD Rule 404 - *Particulate Matter - Concentration*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 404 shall apply.
15. For the purposes of MDAQMD Rule 405 - *Solid Particulate Matter - Weight*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 405 shall apply.
16. For the purposes of MDAQMD Rule 406 - *Specific Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 406 shall apply.
17. For the purposes of MDAQMD Rule 407 - *Liquid and Gaseous Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 407 shall apply.
18. For the purposes of MDAQMD Rule 408 - *Circumvention*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 408 shall apply.
19. For the purposes of MDAQMD Rule 409 - *Combustion Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 409 shall apply.
20. For the purposes of MDAQMD Rule 430 - *Breakdown Provisions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 430 shall apply.
21. For the purposes of MDAQMD Rule 431 - *Sulfur Content of Fuels*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 431 shall apply.

22. For the purposes of MDAQMD Rule 432 - *Gasoline Specifications*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 432 shall apply.
23. For the purposes of MDAQMD Rule 442 - *Usage of Solvents*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 442 shall apply.
24. For the purposes of MDAQMD Rule 461 - *Gasoline Transfer and Dispensing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 461 shall apply.
25. For the purposes of MDAQMD Rule 462 - *Organic Liquid Loading*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 462 shall apply.
26. For the purposes of MDAQMD Rule 463 - *Storage of Organic Liquids*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 463 shall apply.
27. For the purposes of MDAQMD Rule 501 - *General*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 501 shall apply.
28. For the purposes of MDAQMD Rule 502 - *Filing Petitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 502 shall apply.
29. For the purposes of MDAQMD Rule 503 - *Contents of Petitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 503 shall apply.
30. For the purposes of MDAQMD Rule 504 - *Petitions for Variances*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 504 shall apply.
31. For the purposes of MDAQMD Rule 505 - *Appeal from Denial*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 505 shall apply.
32. For the purposes of MDAQMD Rule 506 - *Failure to Comply with Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 506 shall apply.
33. For the purposes of MDAQMD Rule 507 - *Pleadings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 507 shall apply.

34. For the purposes of MDAQMD Rule 508 - *Dismissal of Petition*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 508 shall apply.
35. For the purposes of MDAQMD Rule 509 - *Place of Hearing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 509 shall apply.
36. For the purposes of MDAQMD Rule 510- *Notice of Hearing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 510 shall apply.
37. For the purposes of MDAQMD Rule 511 - *Evidence*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 511 shall apply.
38. For the purposes of MDAQMD Rule 512 - *Preliminary Matters*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 512 shall apply.
39. For the purposes of MDAQMD Rule 513 - *Official Notice*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 513 shall apply.
40. For the purposes of MDAQMD Rule 514 - *Continuances*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 514 shall apply.
41. For the purposes of MDAQMD Rule 515 - *Decision*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 515 shall apply.
42. For the purposes of MDAQMD Rule 516 - *Effective Date of Decision*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 516 shall apply.
43. For the purposes of MDAQMD Rule 517 - *Lack of Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 517 shall apply.
44. For the purposes of MDAQMD Rule 518 - *Findings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 518 shall apply.
45. For the purposes of MDAQMD Rule 1104 - *Organic Solvent Degreasing Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1104 shall apply.
46. For the purposes of MDAQMD Rule 1113 - *Architectural Coatings Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1113 shall apply.

47. For the purposes of MDAQMD Rule 1114 - *Wood Products Coatings Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1114 shall apply.
48. For the purposes of MDAQMD Rule 1115 - *Metal Parts & Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1115 shall apply.
49. For the purposes of MDAQMD Rule 1157 - *Boilers and Process Heaters*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1157 shall apply.
50. For the purposes of MDAQMD Rule 1200 - *General*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1200 shall apply.
51. For the purposes of MDAQMD Rule 1201 - *Definitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1201 shall apply.
52. For the purposes of MDAQMD Rule 1202 - *Applications*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1202 shall apply.
53. For the purposes of MDAQMD Rule 1203 - *Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1203 shall apply.
54. For the purposes of MDAQMD Rule 1204 - *Reserved, "General Permits"*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1204 shall apply.
55. For the purposes of MDAQMD Rule 1205 - *Modifications of Federal Operation Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1205 shall apply.
56. For the purposes of MDAQMD Rule 1206 - *Reopening, Reissuance and Termination of Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1206 shall apply.
57. For the purposes of MDAQMD Rule 1207 - *Notice and Comment*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1207 shall apply.

58. For the purposes of MDAQMD Rule 1208 - *Certification*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1208 shall apply.
59. For the purposes of MDAQMD Rule 1209 - *Appeals*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1209 shall apply.
60. For the purposes of MDAQMD Rule 1210 - *Acid Rain Provisions of Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1210 shall apply.